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TABLES
OF
EQUIVALENTS
OF THE UNITED STATES CUSTOMARY AND METRIC
WEIGHTS AND MEASURES

THIRD EDITION
(November 1, 1906)



WASHINGTON
GOVERNMENT PRINTING OFFICE
1906

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TABLES
OF
EQUIVALENTS

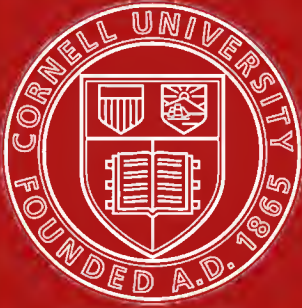
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TABLE OF CONTENTS.

	Page.
The fundamental equivalents used in the tables	5
TABLES OF EQUIVALENTS (FROM 1 TO 10 UNITS).	
Lengths, areas, volumes	6
Capacities and masses	7
SPECIAL TABLES.	
Comparison of prices (French, German, English, and United States)	8
Millimeters and decimal and common fractions of an inch	9
TABLES OF EQUIVALENTS (FROM 1 TO 1,000 UNITS).	
Lengths:	
Feet to meters	10, 11
Meters to feet	12, 13
Miles to kilometers	14, 15
Kilometers to miles	16, 17
Areas:	
Acres to hectars	18, 19
Hectars to acres	20, 21
Volumes:	
Cubic yards to cubic meters	22, 23
Cubic meters to cubic yards	24, 25
Capacities:	
Liquid quarts to liters	26, 27
Liters to liquid quarts	28, 29
Gallons to liters	30, 31
Liters to gallons	32, 33
Bushels to hectoliters	34, 35
Hectoliters to bushels	36, 37
Masses:	
Avoirdupois pounds to kilograms	38, 39
Kilograms to avoirdupois pounds	40, 41
Power:	
Horsepower to kilowatts	42, 43
Kilowatts to horsepower	44, 45
Special comparison of the various tons and pounds used in the United States	46
The legal status of the international metric system in the United States	47, 48
Index	49, 50

FUNDAMENTAL EQUIVALENTS.

The fundamental unit of the metric system is the **METER**—the unit of length. From this the units of capacity (**LITER**) and of weight (**GRAM**) were derived. All other units are the decimal subdivisions or multiples of these. These three units are simply related, e. g., for all practical purposes one **CUBIC DECIMETER** equals one **LITER** and one **LITER** of water weighs one **KILOGRAM**. The metric tables are formed by combining the words “**METER**,” “**GRAM**,” and “**LITER**” with the six numerical prefixes, as in the following tables:

PREFIXES.		MEANING.		UNITS.	
milli-	=	<i>one thousandth</i>	$\frac{1}{1000}$.001	“meter” for length.
centi-	=	<i>one hundredth</i>	$\frac{1}{100}$.01	
deci-	=	<i>one tenth</i>	$\frac{1}{10}$.1	
<i>Unit</i>	=	<i>one</i>		1	“gram” for weight or mass.
deka-	=	<i>ten</i>	$\frac{10}{1}$	10	“liter” for capacity.
hecto-	=	<i>one hundred</i>	$\frac{100}{1}$	100	
kilo-	=	<i>one thousand</i>	$\frac{1000}{1}$	1000	

All lengths, areas, and cubic measures in the following tables are derived from the international meter, the legal equivalent being **1 meter = 39.37 inches** (law of July 28, 1866). In 1893 the United States Office of Standard Weights and Measures was authorized to derive the yard from the meter, using for the purpose the relation legalized in 1866, **1 yard equals $\frac{3600}{3937}$ meter**. The customary weights are likewise referred to the kilogram (Executive order approved April 5, 1893). This action fixed the values, inasmuch as the reference standards are as perfect and unalterable as it is possible for human skill to make them.

All capacities are based on the practical equivalent 1 cubic decimeter equals 1 liter. The decimeter is equal to 3.937 inches in accordance with the legal equivalent of the meter given above. The gallon referred to in the tables is the United States gallon of 231 cubic inches. The bushel is the United States bushel of 2,150.42 cubic inches. These units must not be confused with the British units of the same name which differ from those used in the United States. The British gallon is approximately 20 per cent larger and the British bushel 3 per cent larger than the corresponding units used in this country.

The customary weights derived from the international kilogram are based on the value 1 avoirdupois pound = 453.5924277 grams. This value is carried out farther than that given in the law, but is in accord with the latter as far as it is there given. The value of the troy pound is based upon the relation just mentioned and also the equivalent $\frac{5760}{7000}$ avoirdupois pounds equals 1 troy pound.

COMPARISON OF CUSTOMARY AND METRIC UNITS FROM 1 TO 10.

LENGTHS.

Inches.	Millimeters.	Inches.	Centimeters.	Feet.	Meters.	U. S. Yards.	Meters.	U. S. Miles.	Kilometers.
0.03937 = 1		0.3937 = 1		1 = 0.304801		1 = 0.914402		0.62137 = 1	
0.07874 = 2		0.7874 = 2		2 = 0.609601		1.093611 = 1		1 = 1.60935	
0.11811 = 3		1 = 2.54001		3 = 0.914402		2 = 1.828804		1.24274 = 2	
0.15748 = 4		1.1811 = 3		3.28083 = 1		2.187222 = 2		1.86411 = 3	
0.19685 = 5		1.5748 = 4		4 = 1.219202		3 = 2.743205		2 = 3.21869	
0.23622 = 6		1.9685 = 5		5 = 1.524003		3.280833 = 3		2.48548 = 4	
0.27559 = 7		2 = 5.08001		6 = 1.828804		4 = 3.657607		3 = 4.82804	
0.31496 = 8		2.3622 = 6		6.56167 = 2		4.374444 = 4		3.10685 = 5	
0.35433 = 9		2.7559 = 7		7 = 2.133604		5 = 4.572009		3.72822 = 6	
1 = 25.4001		3 = 7.62002		8 = 2.438405		5.468056 = 5		4 = 6.43739	
2 = 50.8001		3.1496 = 8		9 = 2.743205		6 = 5.486411		4.34959 = 7	
3 = 76.2002		3.5433 = 9		9.84250 = 3		6.561667 = 6		4.97096 = 8	
4 = 101.6002		4 = 10.16002		13.12333 = 4		7 = 6.400813		5 = 8.04674	
5 = 127.0003		5 = 12.70003		16.40417 = 5		7.655278 = 7		5.59233 = 9	
6 = 152.4003		6 = 15.24003		19.68500 = 6		8 = 7.315215		6 = 9.65608	
7 = 177.8004		7 = 17.78004		22.96583 = 7		8.748889 = 8		7 = 11.26543	
8 = 203.2004		8 = 20.32004		26.24667 = 8		9 = 8.229616		8 = 12.87478	
9 = 228.6005		9 = 22.86005		29.52750 = 9		9.842500 = 9		9 = 14.48412	

AREAS.

Square Inches.	Square Millimeters.	Square Inches.	Square Centimeters.	Square Feet.	Square Meters.	Square Yards.	Square Meters.	Square Miles.	Square Kilometers.
0.00155 = 1		0.1550 = 1		1 = 0.09290		1 = 0.8361		0.3861 = 1	
0.00310 = 2		0.3100 = 2		2 = 0.18581		1.1960 = 1		0.7722 = 2	
0.00465 = 3		0.4650 = 3		3 = 0.27871		2 = 1.6723		1 = 2.5900	
0.00620 = 4		0.6200 = 4		4 = 0.37161		2.3920 = 2		1.1583 = 3	
0.00775 = 5		0.7750 = 5		5 = 0.46452		3 = 2.5084		1.5444 = 4	
0.00930 = 6		0.9300 = 6		6 = 0.55742		3.5880 = 3		1.9305 = 5	
0.01085 = 7		1 = 6.452		7 = 0.65032		4 = 3.3445		2 = 5.1800	
0.01240 = 8		1.0850 = 7		8 = 0.74323		4.7839 = 4		2.3166 = 6	
0.01395 = 9		1.2400 = 8		9 = 0.83613		5 = 4.1807		2.7027 = 7	
1 = 645.16		1.3950 = 9		10.764 = 1		5.9799 = 5		3 = 7.7700	
2 = 1,290.33		2 = 12.903		21.528 = 2		6 = 5.0168		3.0888 = 8	
3 = 1,935.49		3 = 19.355		32.292 = 3		7 = 5.8529		3.4749 = 9	
4 = 2,580.65		4 = 25.807		43.055 = 4		7.1759 = 6		4 = 10.3600	
5 = 3,225.81		5 = 32.258		53.819 = 5		8 = 6.6890		5 = 12.9500	
6 = 3,870.98		6 = 38.710		64.583 = 6		8.3719 = 7		6 = 15.5400	
7 = 4,516.14		7 = 45.161		75.347 = 7		9 = 7.5252		7 = 18.1300	
8 = 5,161.30		8 = 51.613		86.111 = 8		9.5679 = 8		8 = 20.7200	
9 = 5,806.46		9 = 58.065		96.875 = 9		10.7639 = 9		9 = 23.3100	

VOLUMES.

AREAS—Continued.

Cubic Inches.	Cubic Millimeters.	Cubic Inches.	Cubic Centimeters.	Cubic Feet.	Cubic Meters.	Cubic Yards.	Cubic Meters.	Acres.	Hectars.
0.000061 = 1		0.0610 = 1		1 = 0.02832		1 = 0.7645		1 = 0.4047	
0.000122 = 2		0.1220 = 2		2 = 0.05663		1.3079 = 1		2 = 0.8094	
0.000183 = 3		0.1831 = 3		3 = 0.08495		2 = 1.5291		2.471 = 1	
0.000244 = 4		0.2441 = 4		4 = 0.11327		2.6159 = 2		3 = 1.2141	
0.000305 = 5		0.3051 = 5		5 = 0.14159		3 = 2.2937		4 = 1.6187	
0.000366 = 6		0.3661 = 6		6 = 0.16990		3.9238 = 3		4.942 = 2	
0.000427 = 7		0.4272 = 7		7 = 0.19822		4 = 3.0582		5 = 2.0234	
0.000488 = 8		0.4882 = 8		8 = 0.22654		5 = 3.8228		6 = 2.4281	
0.000549 = 9		0.5492 = 9		9 = 0.25485		5.2318 = 4		7 = 2.8328	
1 = 16,387.2		1 = 16.3872		35.314 = 1		6 = 4.5874		7.413 = 3	
2 = 32,774.3		2 = 32.7743		70.629 = 2		6.5397 = 5		8 = 3.2375	
3 = 49,161.5		3 = 49.1615		105.943 = 3		7 = 5.3519		9 = 3.6422	
4 = 65,548.6		4 = 65.5486		141.258 = 4		7.8477 = 6		9.884 = 4	
5 = 81,935.8		5 = 81.9358		176.572 = 5		8 = 6.1165		12.355 = 5	
6 = 98,323.0		6 = 98.3230		211.887 = 6		9 = 6.8810		14.826 = 6	
7 = 114,710.1		7 = 114.7101		247.201 = 7		9.1556 = 7		17.207 = 7	
8 = 131,097.3		8 = 131.0973		282.516 = 8		10.4635 = 8		19.607 = 8	
9 = 147,484.5		9 = 147.4845		317.831 = 9		11.7745 = 9		21.996 = 9	

COMPARISON OF CUSTOMARY AND METRIC UNITS FROM 1 TO 10—CONTINUED.

CAPACITIES.

U. S. Liquid Ounces.	Milliliters. (cc.)	U. S. Apothe- caries' Drams.	Milliliters. (cc.)	U. S. Apothe- caries' Scruples.	Milliliters. (cc.)	U. S. Liquid Quarts.	Liters.	U. S. Liquid Gallons.	Liters.
0.03381 =	1	0.2705 =	1	0.8115 =	1	1 =	0.94636	0.26417 =	1
0.06763 =	2	0.5410 =	2	1 =	1.2322	1.05668 =	1	0.52834 =	2
0.10144 =	3	0.8115 =	3	1.6231 =	2	2 =	1.89272	0.79251 =	3
0.13526 =	4	1 =	3.6967	2 =	2.4645	2.11336 =	2	1 =	3.78543
0.16907 =	5	1.0820 =	4	2.4346 =	3	3 =	2.83908	1.05668 =	4
0.20288 =	6	1.3525 =	5	3 =	3.6967	3.17005 =	3	1.32085 =	5
0.23670 =	7	1.6231 =	6	3.2461 =	4	4 =	3.78543	1.58502 =	6
0.27051 =	8	1.8936 =	7	4 =	4.9290	4.22673 =	4	1.84919 =	7
0.30432 =	9	2 =	7.3934	4.0577 =	5	5 =	4.73179	2 =	7.57087
1 =	29.574	2.1641 =	8	4.8692 =	6	5.28341 =	5	2.11336 =	8
2 =	59.147	2.4346 =	9	5 =	6.1612	6 =	5.67815	2.37753 =	9
3 =	88.721	3 =	11.0901	5.6807 =	7	6.34009 =	6	3 =	11.35630
4 =	118.295	4 =	14.7869	6 =	7.3934	7 =	6.62451	4 =	15.14174
5 =	147.869	5 =	18.4836	6.4923 =	8	7.39677 =	7	5 =	18.92717
6 =	177.442	6 =	22.1803	7 =	8.6257	8 =	7.57088	6 =	22.71261
7 =	207.016	7 =	25.8770	7.3038 =	9	8.45345 =	8	7 =	26.49804
8 =	236.590	8 =	29.5737	8 =	9.8579	9 =	8.51723	8 =	30.28348
9 =	266.163	9 =	33.2704	9 =	11.0901	9.51014 =	9	9 =	34.06891
U. S. Dry Quarts.	Liters.	U. S. Pecks.	Liters.	U. S. Pecks.	Dekaliters.	U. S. Bushels.	Hectoliters.	U. S. Bushels per Acre.	Hectoliters per Hectare.
0.9081 =	1	0.11331 =	1	1 =	0.8810	1 =	0.35239	1 =	0.87078
1 =	1.1012	0.22702 =	2	1.1351 =	1	2 =	0.70479	1.14840 =	1
1.8162 =	2	0.34053 =	3	2 =	1.7620	2.83774 =	1	2 =	1.74156
2 =	2.2025	0.45404 =	4	2.2702 =	2	3 =	1.05718	2.29680 =	2
2.7242 =	3	0.56755 =	5	3 =	2.6429	4 =	1.40957	3 =	2.61233
3 =	3.3037	0.68106 =	6	3.4053 =	3	5 =	1.76196	3.44519 =	3
3.6323 =	4	0.79457 =	7	4 =	3.5239	5.67548 =	2	4 =	3.48311
4 =	4.4049	0.90808 =	8	4.5404 =	4	6 =	2.11436	4.59359 =	4
4.5404 =	5	1 =	8.80982	5 =	4.4049	7 =	2.46675	5 =	4.35389
5 =	5.5061	1.02157 =	9	5.6755 =	5	8 =	2.81914	5.74199 =	5
5.4485 =	6	2 =	17.61964	6 =	5.2859	8.51323 =	3	6 =	5.22467
6 =	6.6074	3 =	26.42946	6.8106 =	6	9 =	3.17154	6.89039 =	6
6.3565 =	7	4 =	35.23928	7 =	6.1669	11.35097 =	4	7 =	6.09545
7 =	7.7086	5 =	44.04910	7.9457 =	7	14.18871 =	5	8 =	6.96622
7.2646 =	8	6 =	52.85892	8 =	7.0479	17.02645 =	6	8.03879 =	7
8 =	8.8098	7 =	61.66874	9 =	7.9288	19.86420 =	7	9 =	7.83700
8.1727 =	9	8 =	70.47856	9.0808 =	8	22.70194 =	8	9.18719 =	8
9 =	9.9110	9 =	79.28838	10.2159 =	9	25.53968 =	9	10.33558 =	9

MASSES.

Grains.	Grams.	Avoirdupois Ounces.	Grams.	Troy Ounces.	Grams.	Avoirdupois Pounds.	Kilograms.	Troy Pounds.	Kilograms.
1 =	0.06480	0.03527 =	1	0.03215 =	1	1 =	0.45359	1 =	0.37324
2 =	0.12960	0.07055 =	2	0.06430 =	2	2 =	0.90718	2 =	0.74648
3 =	0.19440	0.10582 =	3	0.09645 =	3	2.20462 =	1	2.67923 =	1
4 =	0.25920	0.14110 =	4	0.12860 =	4	3 =	1.36078	3 =	1.11973
5 =	0.32399	0.17637 =	5	0.16075 =	5	4 =	1.81437	4 =	1.49297
6 =	0.38879	0.21164 =	6	0.19290 =	6	4.40924 =	2	5 =	1.86621
7 =	0.45359	0.24692 =	7	0.22506 =	7	5 =	2.26796	5.35846 =	2
8 =	0.51839	0.28219 =	8	0.25721 =	8	6 =	2.72155	6 =	2.23945
9 =	0.58319	0.31747 =	9	0.28936 =	9	6.61387 =	3	7 =	2.61269
15.4324 =	1	1 =	28.3495	1 =	31.10348	7 =	3.17515	8 =	2.98593
30.8647 =	2	2 =	56.6991	2 =	62.20696	8 =	3.62874	8.03769 =	3
46.2971 =	3	3 =	85.0486	3 =	93.31044	8.81849 =	4	9 =	3.35918
61.7294 =	4	4 =	113.3981	4 =	124.41392	9 =	4.08233	10.71691 =	4
77.1618 =	5	5 =	141.7476	5 =	155.51740	11.02311 =	5	13.39614 =	5
92.5941 =	6	6 =	170.0972	6 =	186.62088	13.22773 =	6	16.07537 =	6
108.0265 =	7	7 =	198.4467	7 =	217.72437	15.43236 =	7	18.75460 =	7
123.4589 =	8	8 =	226.7962	8 =	248.82785	17.63698 =	8	21.43383 =	8
138.8912 =	9	9 =	255.1457	9 =	279.93133	19.84160 =	9	24.11306 =	9

COMPARISON OF PRICES.

French and German prices for metric units, British prices for Imperial units, and United States prices for United States standard weights and measures.

[Based upon the circular of the Secretary of the Treasury dated October 1, 1906, fixing the legal equivalent of the (German) mark at 23.8 cents, of the (French) franc at 19.3 cents, and the British pound sterling at \$4.8665.]

France per kilogram.	Dollars per avoir. pound.	France per meter.	Dollars per yard.	France per liter.	Dollars per U. S. liquid gal.	France per hectoliter.	Dollars per bushel.	Shillings per British imp. gal.	Dollars per U. S. liquid gal.
1 = .088		1 = .176		1 = .731		1 = .068		1 = .203	
2 = .175		2 = .353		2 = 1.461		2 = .136		2 = .405	
3 = .263		3 = .529		3 = 2.192		3 = .204		3 = .608	
4 = .350		4 = .705		4 = 2.922		4 = .272		4 = .810	
5 = .438		5 = .882		5 = 3.653		5 = .340		5 = 1.013	
6 = .525		6 = 1.058		6 = 4.384		6 = .408		6 = 1.216	
7 = .613		7 = 1.234		7 = 5.114		7 = .476		7 = 1.418	
8 = .700		8 = 1.411		8 = 5.844		8 = .544		8 = 1.621	
9 = .788		9 = 1.587		9 = 6.575		9 = .612		9 = 1.824	
11.423 = 1		6.667 = 1		1.369 = 1		14.703 = 1		4.935 = 1	
22.846 = 2		11.334 = 2		2.738 = 2		29.407 = 2		9.871 = 2	
34.269 = 3		17.000 = 3		4.106 = 3		44.110 = 3		14.806 = 3	
45.691 = 4		22.667 = 4		5.475 = 4		58.813 = 4		19.742 = 4	
57.115 = 5		28.334 = 5		6.844 = 5		73.517 = 5		24.677 = 5	
68.537 = 6		34.001 = 6		8.213 = 6		88.220 = 6		29.612 = 6	
79.960 = 7		39.668 = 7		9.581 = 7		102.923 = 7		34.548 = 7	
91.383 = 8		45.334 = 8		10.950 = 8		117.627 = 8		39.483 = 8	
102.806 = 9		51.001 = 9		12.319 = 9		132.330 = 9		44.419 = 9	
Marks per kilogram.	Dollars per avoir. pound.	Marks per meter.	Dollars per yard.	Marks per liter.	Dollars per U. S. liquid gal.	Marks per hectoliter.	Dollars per bushel.	Shillings per British bus.	Dollars per U. S. bus.
1 = .108		1 = .218		1 = .901		1 = .084		1 = .236	
2 = .216		2 = .435		2 = 1.802		2 = .168		2 = .472	
3 = .324		3 = .653		3 = 2.703		3 = .252		3 = .707	
4 = .432		4 = .871		4 = 3.604		4 = .335		4 = .943	
5 = .540		5 = 1.088		5 = 4.505		5 = .419		5 = 1.179	
6 = .648		6 = 1.306		6 = 5.406		6 = .503		6 = 1.415	
7 = .756		7 = 1.523		7 = 6.307		7 = .587		7 = 1.650	
8 = .864		8 = 1.741		8 = 7.207		8 = .671		8 = 1.886	
9 = .972		9 = 1.959		9 = 8.108		9 = .755		9 = 2.122	
9.263 = 1		4.595 = 1		1.110 = 1		11.923 = 1		4.241 = 1	
18.526 = 2		9.190 = 2		2.220 = 2		23.847 = 2		8.483 = 2	
27.789 = 3		13.785 = 3		3.330 = 3		35.770 = 3		12.724 = 3	
37.052 = 4		18.380 = 4		4.440 = 4		47.693 = 4		16.965 = 4	
46.316 = 5		22.975 = 5		5.550 = 5		59.616 = 5		21.207 = 5	
55.579 = 6		27.570 = 6		6.660 = 6		71.540 = 6		25.448 = 6	
64.842 = 7		32.165 = 7		7.770 = 7		83.463 = 7		29.689 = 7	
74.105 = 8		36.760 = 8		8.880 = 8		95.386 = 8		33.931 = 8	
83.368 = 9		41.355 = 9		9.990 = 9		107.310 = 9		38.172 = 9	

LENGTHS—INCHES AND MILLIMETERS.—EQUIVALENTS OF DECIMAL AND COMMON FRACTIONS OF AN INCH IN MILLIMETERS.

FROM $\frac{1}{64}$ TO 1 INCH.

$\frac{1}{2}$'s.	$\frac{1}{4}$'s.	8ths.	16ths.	32nds.	64ths.	Milli- meters.	Decimals of an inch.	Inch.	$\frac{1}{2}$'s.	$\frac{1}{4}$'s.	8ths.	16ths.	32nds.	64ths.	Milli- meters.	Decimals of an inch.
					1	= .397	.016625									
				1	2	= .794	.03125						17	33	=13.097	.515625
					3	= 1.191	.046875							34	=13.494	.53125
			1	2	4	= 1.588	.0625					9	18	35	=13.891	.546875
														36	=14.288	.5625
					6	= 1.984	.078125							37	=14.684	.678125
				3	6	= 2.381	.09375							38	=15.081	.69375
				7	7	= 2.778	.109375						19	39	=15.478	.609375
			1	2	8	= 3.175	.1250				5	10	20	40	=15.875	.625
					9	= 3.572	.140625							41	=16.272	.640625
				5	10	= 3.969	.15625							42	=16.669	.65625
				11	11	= 4.366	.171875						21	43	=17.066	.671875
			3	6	12	= 4.763	.1875					11	22	44	=17.463	.6875
					13	= 5.159	.203125							45	=17.859	.703125
				7	14	= 5.556	.21875						23	46	=18.256	.71875
				15	15	= 5.953	.234375							47	=18.653	.734375
			1	2	16	= 6.350	.2500			3	6	12	24	48	=19.050	.75
					17	= 6.747	.265625							49	=19.447	.765625
				9	18	= 7.144	.28125							50	=19.844	.78125
				5	19	= 7.541	.296875						25	51	=20.241	.796875
				10	20	= 7.938	.3125					13	26	52	=20.638	.8125
					21	= 8.334	.328125							53	=21.034	.828125
				11	22	= 8.731	.34375							54	=21.431	.84375
				23	23	= 9.128	.359375							55	=21.828	.859375
			3	6	24	= 9.525	.3750				7	14	28	56	=22.225	.875
					25	= 9.922	.390625							57	=22.622	.890625
				13	26	=10.319	.40625							58	=23.019	.90625
				27	27	=10.716	.421875						29	59	=23.416	.921875
			7	14	28	=11.113	.4375					15	30	60	=23.813	.9375
					29	=11.509	.453125							61	=24.209	.953125
				15	30	=11.906	.46875							62	=24.606	.96875
				31	31	=12.303	.484375							63	=25.003	.984375
1	2	4	8	16	32	=12.700	.5	1	2	4	8	16	32	64	=25.400	1.000

LENGTHS—HUNDREDTHS OF AN INCH TO MILLIMETERS.

FROM 1 TO 100 HUNDREDTHS.

Hun- dredths of an inch.	0	1	2	3	4	5	6	7	8	9
	0	.254	.508	.762	1.016	1.270	1.524	1.778	2.032	2.286
10	2.540	2.794	3.048	3.302	3.556	3.810	4.064	4.318	4.572	4.826
20	5.080	5.334	5.588	5.842	6.096	6.350	6.604	6.858	7.112	7.366
30	7.620	7.874	8.128	8.382	8.636	8.890	9.144	9.398	9.652	9.906
40	10.160	10.414	10.668	10.922	11.176	11.430	11.684	11.938	12.192	12.446
50	12.700	12.954	13.208	13.462	13.716	13.970	14.224	14.478	14.732	14.986
60	15.240	15.494	15.748	16.002	16.256	16.510	16.764	17.018	17.272	17.526
70	17.780	18.034	18.288	18.542	18.796	19.050	19.304	19.558	19.812	20.066
80	20.320	20.574	20.828	21.082	21.336	21.590	21.844	22.098	22.352	22.606
90	22.860	23.114	23.368	23.622	23.876	24.130	24.384	24.638	24.892	25.146

LENGTHS—MILLIMETERS TO DECIMALS OF AN INCH.

FROM 1 TO 100 UNITS.

Milli- meters.	0	1	2	3	4	5	6	7	8	9
	0	.03937	.07874	.11811	.15748	.19685	.23622	.27559	.31496	.35433
10	.39370	.43307	.47244	.51181	.55118	.59055	.62992	.66929	.70866	.74803
20	.78740	.82677	.86614	.90551	.94488	.98425	1.02362	1.06299	1.10236	1.14173
30	1.18110	1.22047	1.25984	1.29921	1.33858	1.37796	1.41732	1.45669	1.49606	1.53543
40	1.57480	1.61417	1.65354	1.69291	1.73228	1.77165	1.81102	1.85039	1.88976	1.92913
50	1.96860	2.00787	2.04724	2.08661	2.12598	2.16535	2.20472	2.24409	2.28346	2.32283
60	2.36220	2.40157	2.44094	2.48031	2.51968	2.55905	2.59842	2.63779	2.67716	2.71653
70	2.75590	2.79527	2.83464	2.87401	2.91338	2.95275	2.99212	3.03149	3.07086	3.11023
80	3.14960	3.18897	3.22834	3.26771	3.30708	3.34645	3.38582	3.42519	3.46456	3.50393
90	3.54330	3.58267	3.62204	3.66141	3.70078	3.74015	3.77952	3.81889	3.85826	3.89763

LENGTHS.—FEET TO METERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 foot = 0.3048006096 meter.

Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.
0	.3048	100	30.48006	200	60.96012	300	91.44018	400	121.92024	500	152.40030	600	182.88037	700	213.36043
1	.30761	1	30.76166	1	61.24592	1	91.74498	1	121.92024	1	152.70511	1	183.18517	1	213.66523
2	.61522	2	61.52332	2	122.49184	2	183.48996	2	243.84030	2	305.41022	2	366.77034	2	427.72056
3	.92283	3	92.78498	3	183.73776	3	275.23494	3	367.56546	3	460.21533	3	552.10539	3	643.47562
4	1.23044	4	123.04664	4	244.98368	4	369.64832	4	494.32096	4	618.62066	4	747.29130	4	876.26194
5	1.53805	5	153.80880	5	306.22944	5	430.86912	5	556.10176	5	684.94240	5	813.01504	5	941.08768
6	1.84566	6	184.56996	6	367.47536	6	491.11712	6	616.36352	6	744.53516	6	872.70680	6	1000.87844
7	2.15327	7	215.33007	7	428.72128	7	553.61904	7	681.81088	7	810.00272	7	938.19456	7	1066.38630
8	2.46088	8	246.08832	8	490.96720	8	614.86592	8	743.06776	8	871.25960	8	1000.45152	8	1128.74326
9	2.76849	9	276.85584	9	552.21312	9	676.11184	9	804.31968	9	932.51152	9	1060.80336	9	1188.09500
10	3.07610	10	307.61690	10	613.45904	10	737.36368	10	864.56736	10	995.67520	10	1126.97792	10	1257.28046
11	3.38371	11	338.38366	11	674.70496	11	798.60960	11	929.81792	11	1060.02976	11	1191.33056	11	1320.63220
12	3.69132	12	369.13416	12	735.95088	12	860.85552	12	991.06576	12	1126.28160	12	1257.58304	12	1388.88368
13	4.00000	13	400.00000	13	797.19680	13	922.10176	13	1052.30768	13	1187.61360	13	1318.91952	13	1500.00000
14	4.30761	14	430.76166	14	858.44272	14	983.34768	14	1113.55360	14	1248.85952	14	1380.12544	14	1581.11136
15	4.61522	15	461.52332	15	919.68864	15	1044.60352	15	1179.90944	15	1309.16544	15	1451.43136	15	1662.22320
16	4.92283	16	492.28498	16	980.93456	16	1105.84944	16	1240.16128	16	1369.42128	16	1512.73728	16	1723.33512
17	5.23044	17	523.04664	17	1042.18048	17	1167.09536	17	1299.40720	17	1429.67712	17	1574.04320	17	1784.44704
18	5.53805	18	553.80880	18	1103.42640	18	1228.34128	18	1359.65312	18	1489.92304	18	1634.28912	18	1845.55888
19	5.84566	19	584.56996	19	1164.67232	19	1289.58904	19	1419.89904	19	1550.17488	19	1694.53504	19	1906.67072
20	6.15327	20	615.33007	20	1225.91824	20	1350.83496	20	1480.14576	20	1610.42080	20	1754.78096	20	1967.78256
21	6.46088	21	646.08832	21	1287.16416	21	1411.08080	21	1540.37672	21	1670.66672	21	1815.02688	21	2028.89440
22	6.76849	22	676.85584	22	1348.41008	22	1471.32672	22	1600.91264	22	1730.91264	22	1875.27280	22	2089.00624
23	7.07610	23	707.61690	23	1409.65600	23	1532.57264	23	1661.15856	23	1791.15856	23	1935.52368	23	2150.11808
24	7.38371	24	738.38366	24	1470.90192	24	1593.81856	24	1722.40448	24	1851.40448	24	1995.76960	24	2211.23000
25	7.69132	25	769.13416	25	1532.14784	25	1655.06448	25	1782.65040	25	1911.65040	25	2056.01552	25	2272.34144
26	8.00000	26	800.00000	26	1593.40376	26	1716.31040	26	1842.89632	26	1971.90624	26	2117.22144	26	2333.45288
27	8.30761	27	830.76166	27	1654.64968	27	1777.55632	27	1903.14224	27	2032.15216	27	2178.47136	27	2394.56432
28	8.61522	28	861.52332	28	1715.90560	28	1838.80224	28	1963.38816	28	2092.40808	28	2239.71728	28	2455.67576
29	8.92283	29	892.28498	29	1777.15152	29	1900.04816	29	2023.63408	29	2152.95392	29	2299.96384	29	2516.78720
30	9.23044	30	923.04664	30	1838.39744	30	2001.28960	30	2113.88000	30	2213.15984	30	2360.21472	30	2577.89864
31	9.53805	31	953.80880	31	1899.64336	31	2062.53552	31	2174.42592	31	2273.70576	31	2420.76064	31	2639.01008
32	9.84566	32	984.56996	32	1960.88928	32	2123.68144	32	2234.97184	32	2333.95168	32	2481.20656	32	2700.12152
33	10.15327	33	1015.33007	33	2022.13520	33	2184.91776	33	2295.21776	33	2394.18160	33	2541.65248	33	2761.23296
34	10.46088	34	1046.08832	34	2083.38112	34	2246.16368	34	2355.46368	34	2455.43744	34	2602.19840	34	2822.34440
35	10.76849	35	1076.85584	35	2144.62704	35	2307.40960	35	2416.70960	35	2516.68320	35	2662.74432	35	2883.45584
36	11.07610	36	1107.61690	36	2205.87296	36	2368.65552	36	2477.95552	36	2577.92904	36	2717.98912	36	2944.56728
37	11.38371	37	1138.38366	37	2267.11888	37	2429.90144	37	2539.20144	37	2638.17488	37	2778.23504	37	3005.67872
38	11.69132	38	1169.13416	38	2328.36480	38	2491.14736	38	2599.44736	38	2699.44736	38	2839.48096	38	3066.79016
39	12.00000	39	1200.00000	39	2389.61072	39	2552.39328	39	2660.69328	39	2759.69328	39	2899.73184	39	3127.90160
40	12.30761	40	1230.76166	40	2450.85664	40	2613.63920	40	2721.93920	40	2820.93920	40	2960.97248	40	3189.01304
41	12.61522	41	1261.52332	41	2512.10256	41	2674.88512	41	2782.18512	41	2881.18512	41	3021.21840	41	3250.12448
42	12.92283	42	1292.28498	42	2573.34848	42	2736.13104	42	2842.43104	42	2941.43104	42	3081.46384	42	3311.23592
43	13.23044	43	1323.04664	43	2634.59440	43	2797.37696	43	2903.67696	43	3002.67696	43	3142.69472	43	3372.34736
44	13.53805	44	1353.80880	44	2695.84032	44	2858.62288	44	2964.92288	44	3063.92288	44	3203.92560	44	3433.45880
45	13.84566	45	1384.56996	45	2757.08624	45	2919.86880	45	3025.16880	45	3125.16880	45	3265.15648	45	3494.57024
46	14.15327	46	1415.33007	46	2818.33216	46	2981.11472	46	3086.41472	46	3186.41472	46	3326.38736	46	3555.68168
47	14.46088	47	1446.08832	47	2879.57808	47	3042.36064	47	3147.66064	47	3247.66064	47	3387.61840	47	3616.79312
48	14.76849	48	1476.85584	48	2940.82400	48	3103.60656	48	3208.90656	48	3308.90656	48	3448.85952	48	3677.90456
49	15.07610	49	1507.61690	49	3002.06992	49	3164.85248	49	3269.15248	49	3369.15248	49	3509.10096	49	3739.01600
50	15.38371	50	1538.38366	50	3063.31584	50	3226.09840	50	3330.39840	50	3430.39840	50	3570.34144	50	3799.12744

50	15.24003	150	45.72009	250	76.20015	350	106.68021	450	137.10027	550	167.64034	650	198.12040	750	228.60046	850	259.08052	950	289.66058
1	16.64843	1	46.02489	1	76.60496	1	106.98501	1	137.46607	1	167.94514	1	198.42520	1	228.90528	1	259.36532	1	289.86538
2	16.84963	2	46.32769	2	76.80975	2	107.28981	2	137.76988	2	168.24904	2	198.73000	2	229.21006	2	259.69012	2	290.17018
3	16.16443	3	46.63449	3	77.11435	3	107.69462	3	138.07468	3	168.56474	3	199.03480	3	229.51986	3	259.99492	3	290.47498
4	16.45923	4	46.93929	4	77.41935	4	107.89442	4	138.37948	4	168.86964	4	199.33960	4	229.81986	4	260.29972	4	290.77978
5	16.76403	5	47.24409	5	77.72416	5	108.20422	5	138.68428	5	169.16434	5	199.64446	5	230.12446	5	260.60452	5	291.08458
6	17.06883	6	47.54899	6	78.02896	6	108.50902	6	138.98908	6	169.46914	6	199.94920	6	230.42926	6	260.90932	6	291.38938
7	17.37363	7	47.85370	7	78.33376	7	108.81382	7	139.29388	7	169.77394	7	200.25400	7	230.73406	7	261.21412	7	291.69418
8	17.67844	8	48.15850	8	78.63856	8	109.11862	8	139.59868	8	170.07874	8	200.55880	8	231.03886	8	261.51892	8	291.99898
9	17.98324	9	48.46330	9	78.94336	9	109.42342	9	139.90348	9	170.38354	9	200.86360	9	231.34386	9	261.82372	9	292.30378
60	18.28804	160	48.70810	260	79.24816	360	109.72822	460	140.20828	560	170.68834	660	201.16840	760	231.64846	860	262.12852	960	292.60859
1	18.59284	1	49.07290	1	79.55296	1	110.03302	1	140.51308	1	170.99314	1	201.47320	1	231.95326	1	262.43332	1	292.91339
2	18.89764	2	49.37770	2	79.85776	2	110.33782	2	140.81788	2	171.29794	2	201.77800	2	232.25806	2	262.73813	2	293.21819
3	19.20244	3	49.68250	3	80.16256	3	110.64262	3	141.12288	3	171.60274	3	202.08280	3	232.56287	3	263.04293	3	293.52299
4	19.50724	4	49.98730	4	80.46736	4	110.94742	4	141.42748	4	171.90754	4	202.38760	4	232.86767	4	263.34778	4	293.82779
5	19.81204	5	50.29210	5	80.77216	5	111.25222	5	141.73238	5	172.21234	5	202.69241	5	233.17247	5	263.65253	5	294.13259
6	20.11684	6	50.59690	6	81.07696	6	111.55702	6	142.03708	6	172.51714	6	202.99721	6	233.47727	6	263.95733	6	294.43739
7	20.42164	7	50.90170	7	81.38176	7	111.86182	7	142.34188	7	172.82195	7	203.30201	7	233.78207	7	264.26213	7	294.74219
8	20.72644	8	51.20650	8	81.68656	8	112.16662	8	142.64669	8	173.12675	8	203.60681	8	234.08687	8	264.56693	8	295.04699
9	21.03124	9	51.51130	9	81.99136	9	112.47142	9	142.95149	9	173.43155	9	203.91161	9	234.39167	9	264.87173	9	295.35179
70	21.33604	170	51.81610	270	82.29616	370	112.77623	470	143.25629	570	173.73635	670	204.21641	770	234.69647	870	265.17653	970	295.65659
1	21.64084	1	52.12090	1	82.60097	1	113.08103	1	143.56109	1	174.04115	1	204.52121	1	235.00127	1	265.48133	1	295.96139
2	21.94564	2	52.42570	2	82.90577	2	113.38583	2	143.86589	2	174.34595	2	204.82601	2	235.30607	2	265.78613	2	296.26619
3	22.25044	3	52.73051	3	83.21057	3	113.69063	3	144.17069	3	174.65075	3	205.13081	3	235.61087	3	266.09093	3	296.57099
4	22.55525	4	53.03531	4	83.51537	4	113.99543	4	144.47549	4	174.95555	4	205.43561	4	235.91567	4	266.39573	4	296.87579
5	22.86005	5	53.34011	5	83.82017	5	114.30023	5	144.78029	5	175.26035	5	205.74041	5	236.22047	5	266.70053	5	297.18059
6	23.16485	6	53.64491	6	84.12497	6	114.60503	6	145.08509	6	175.56515	6	206.04521	6	236.52527	6	267.00533	6	297.48539
7	23.46965	7	53.94971	7	84.42977	7	114.90983	7	145.38989	7	175.86995	7	206.35001	7	236.83007	7	267.31013	7	297.79020
8	23.77445	8	54.25451	8	84.73457	8	115.21463	8	145.69469	8	176.17475	8	206.65481	8	237.13487	8	267.61494	8	298.09500
9	24.07925	9	54.55931	9	85.03937	9	115.51943	9	145.99949	9	176.47955	9	206.95961	9	237.43967	9	267.91974	9	298.39980
80	24.38405	180	54.86411	280	85.34417	380	115.82423	480	146.30429	580	176.78435	680	207.26441	780	237.74448	880	268.22454	980	298.70460
1	24.68885	1	55.16891	1	85.64897	1	116.12903	1	146.60909	1	177.08915	1	207.56922	1	238.04923	1	268.52931	1	299.00940
2	24.99365	2	55.47371	2	85.95377	2	116.43383	2	146.91389	2	177.39395	2	207.87402	2	238.35408	2	268.83414	2	299.31420
3	25.29845	3	55.77851	3	86.25857	3	116.73863	3	147.21869	3	177.69876	3	208.17882	3	238.65888	3	269.13894	3	299.61900
4	25.60325	4	56.08331	4	86.56337	4	117.04343	4	147.52350	4	178.00356	4	208.48362	4	238.96368	4	269.44374	4	299.92380
5	25.90805	5	56.38811	5	86.86817	5	117.34823	5	147.82830	5	178.30836	5	208.78842	5	239.26848	5	269.74854	5	300.22860
6	26.21285	6	56.69291	6	87.17297	6	117.65304	6	148.13310	6	178.61316	6	209.09322	6	239.57328	6	270.05334	6	300.53340
7	26.51765	7	56.99771	7	87.47777	7	117.95784	7	148.43790	7	178.91796	7	209.39802	7	239.87808	7	270.35814	7	300.83820
8	26.82245	8	57.30251	8	87.78258	8	118.26264	8	148.74270	8	179.22278	8	209.70282	8	240.18288	8	270.66294	8	301.14300
9	27.12725	9	57.60732	9	88.08738	9	118.56744	9	149.04750	9	179.52756	9	210.00762	9	240.48768	9	270.96774	9	301.44780
90	27.43205	190	57.91213	290	88.39218	390	118.87224	490	149.35280	590	179.83236	690	210.31242	790	240.79248	890	271.27254	990	301.75260
1	27.73685	1	58.21692	1	88.69698	1	119.17704	1	149.65710	1	180.13716	1	210.61722	1	241.09728	1	271.57734	1	302.05740
2	28.04165	2	58.52172	2	89.00178	2	119.48184	2	149.96190	2	180.44198	2	210.92202	2	241.40208	2	271.88214	2	302.36220
3	28.34645	3	58.82652	3	89.30658	3	119.78664	3	150.26670	3	180.74678	3	211.22682	3	241.70688	3	272.18694	3	302.66701
4	28.65125	4	59.13132	4	89.61138	4	120.09144	4	150.57150	4	181.05156	4	211.53162	4	242.01168	4	272.49174	4	302.97181
5	28.95605	5	59.43612	5	89.91618	5	120.39624	5	150.87630	5	181.35636	5	211.83642	5	242.31648	5	272.79655	5	303.27661
6	29.26085	6	59.74092	6	90.22098	6	120.70104	6	151.18110	6	181.66116	6	212.14122	6	242.62129	6	273.10135	6	303.58141
7	29.56565	7	60.04572	7	90.52578	7	121.00584	7	151.48590	7	181.96596	7	212.44602	7	242.92609	7	273.40621	7	303.88621
8	29.87045	8	60.35052	8	90.83058	8	121.31064	8	151.79070	8	182.27078	8	212.75083	8	243.23089	8	273.71095	8	304.19101
9	30.17525	9	60.65532	9	91.13538	9	121.61544	9	152.09550	9	182.57556	9	213.05563	9	243.53569	9	274.01675	9	304.49581

1 inch = .02540 meter.
 2 inches = .05080 meter.
 3 inches = .07620 meter.
 4 inches = .10160 meter.
 5 inches = .12700 meter.
 6 inches = .15240 meter.
 7 inches = .17780 meter.
 8 inches = .20320 meter.
 9 inches = .22860 meter.
 10 inches = .25400 meter.
 11 inches = .27940 meter.
 12 inches = .30480 meter.

LENGTHS.—METERS TO FEET.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 meter = 3.280833333 feet.

Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.	Meters.	Feet.		
0	3 28083	100	328 08333	200	656 16667	300	984 25000	400	1 312 33333	500	1 640 41667	600	1 968 50000	700	2 296 58333	800	2 624 66667	900	2 952 75000
1	6 66167	1	331 36417	1	331 36417	1	331 36417	1	331 36417	1	331 36417	1	331 36417	1	331 36417	1	331 36417	1	331 36417
2	9 94250	2	662 72583	2	662 72583	2	662 72583	2	662 72583	2	662 72583	2	662 72583	2	662 72583	2	662 72583	2	662 72583
3	13 12333	3	937 92583	3	937 92583	3	937 92583	3	937 92583	3	937 92583	3	937 92583	3	937 92583	3	937 92583	3	937 92583
4	16 40417	4	341 20667	4	341 20667	4	341 20667	4	341 20667	4	341 20667	4	341 20667	4	341 20667	4	341 20667	4	341 20667
5	19 68500	5	344 48750	5	344 48750	5	344 48750	5	344 48750	5	344 48750	5	344 48750	5	344 48750	5	344 48750	5	344 48750
6	22 96583	6	347 76833	6	347 76833	6	347 76833	6	347 76833	6	347 76833	6	347 76833	6	347 76833	6	347 76833	6	347 76833
7	26 24667	7	351 04917	7	351 04917	7	351 04917	7	351 04917	7	351 04917	7	351 04917	7	351 04917	7	351 04917	7	351 04917
8	29 52750	8	354 33000	8	354 33000	8	354 33000	8	354 33000	8	354 33000	8	354 33000	8	354 33000	8	354 33000	8	354 33000
9	32 80833	9	357 61083	9	357 61083	9	357 61083	9	357 61083	9	357 61083	9	357 61083	9	357 61083	9	357 61083	9	357 61083
10	36 08917	110	360 89167	210	688 97500	310	1 017 05833	410	1 345 14167	510	1 673 22500	610	2 001 30833	710	2 329 39167	810	2 657 47500	910	2 985 55833
1	39 37000	1	364 17250	1	364 17250	1	364 17250	1	364 17250	1	364 17250	1	364 17250	1	364 17250	1	364 17250	1	364 17250
2	42 65083	2	367 45583	2	367 45583	2	367 45583	2	367 45583	2	367 45583	2	367 45583	2	367 45583	2	367 45583	2	367 45583
3	45 93167	3	370 73417	3	370 73417	3	370 73417	3	370 73417	3	370 73417	3	370 73417	3	370 73417	3	370 73417	3	370 73417
4	49 21250	4	374 01500	4	374 01500	4	374 01500	4	374 01500	4	374 01500	4	374 01500	4	374 01500	4	374 01500	4	374 01500
5	52 49333	5	377 29583	5	377 29583	5	377 29583	5	377 29583	5	377 29583	5	377 29583	5	377 29583	5	377 29583	5	377 29583
6	55 77417	6	380 57667	6	380 57667	6	380 57667	6	380 57667	6	380 57667	6	380 57667	6	380 57667	6	380 57667	6	380 57667
7	59 05500	7	383 85750	7	383 85750	7	383 85750	7	383 85750	7	383 85750	7	383 85750	7	383 85750	7	383 85750	7	383 85750
8	62 33583	8	387 13833	8	387 13833	8	387 13833	8	387 13833	8	387 13833	8	387 13833	8	387 13833	8	387 13833	8	387 13833
9	65 61667	9	390 41917	9	390 41917	9	390 41917	9	390 41917	9	390 41917	9	390 41917	9	390 41917	9	390 41917	9	390 41917
20	68 89750	120	393 70000	220	721 78333	320	1 049 86667	420	1 377 95000	520	1 673 22500	620	2 001 30833	720	2 329 39167	820	2 657 47500	920	2 985 55833
1	72 17833	1	396 98083	1	396 98083	1	396 98083	1	396 98083	1	396 98083	1	396 98083	1	396 98083	1	396 98083	1	396 98083
2	75 45917	2	400 26167	2	400 26167	2	400 26167	2	400 26167	2	400 26167	2	400 26167	2	400 26167	2	400 26167	2	400 26167
3	78 74000	3	403 54250	3	403 54250	3	403 54250	3	403 54250	3	403 54250	3	403 54250	3	403 54250	3	403 54250	3	403 54250
4	82 02083	4	406 82333	4	406 82333	4	406 82333	4	406 82333	4	406 82333	4	406 82333	4	406 82333	4	406 82333	4	406 82333
5	85 30167	5	410 10417	5	410 10417	5	410 10417	5	410 10417	5	410 10417	5	410 10417	5	410 10417	5	410 10417	5	410 10417
6	88 58250	6	413 38500	6	413 38500	6	413 38500	6	413 38500	6	413 38500	6	413 38500	6	413 38500	6	413 38500	6	413 38500
7	91 86333	7	416 66583	7	416 66583	7	416 66583	7	416 66583	7	416 66583	7	416 66583	7	416 66583	7	416 66583	7	416 66583
8	95 14417	8	419 94667	8	419 94667	8	419 94667	8	419 94667	8	419 94667	8	419 94667	8	419 94667	8	419 94667	8	419 94667
9	98 42500	9	423 22750	9	423 22750	9	423 22750	9	423 22750	9	423 22750	9	423 22750	9	423 22750	9	423 22750	9	423 22750
30	98 42500	130	426 50833	230	754 59167	330	1 082 67500	430	1 410 75833	530	1 738 84167	630	2 066 92500	730	2 395 00833	830	2 723 09167	930	3 051 17500
1	101 70583	1	429 78917	1	429 78917	1	429 78917	1	429 78917	1	429 78917	1	429 78917	1	429 78917	1	429 78917	1	429 78917
2	104 98833	2	433 07000	2	433 07000	2	433 07000	2	433 07000	2	433 07000	2	433 07000	2	433 07000	2	433 07000	2	433 07000
3	108 26750	3	436 35083	3	436 35083	3	436 35083	3	436 35083	3	436 35083	3	436 35083	3	436 35083	3	436 35083	3	436 35083
4	111 54833	4	439 63167	4	439 63167	4	439 63167	4	439 63167	4	439 63167	4	439 63167	4	439 63167	4	439 63167	4	439 63167
5	114 82917	5	442 91250	5	442 91250	5	442 91250	5	442 91250	5	442 91250	5	442 91250	5	442 91250	5	442 91250	5	442 91250
6	118 11000	6	446 19333	6	446 19333	6	446 19333	6	446 19333	6	446 19333	6	446 19333	6	446 19333	6	446 19333	6	446 19333
7	121 39083	7	449 47417	7	449 47417	7	449 47417	7	449 47417	7	449 47417	7	449 47417	7	449 47417	7	449 47417	7	449 47417
8	124 67167	8	452 75500	8	452 75500	8	452 75500	8	452 75500	8	452 75500	8	452 75500	8	452 75500	8	452 75500	8	452 75500
9	127 95250	9	456 03583	9	456 03583	9	456 03583	9	456 03583	9	456 03583	9	456 03583	9	456 03583	9	456 03583	9	456 03583
40	131 23333	140	459 31667	240	793 40000	340	1 118 38333	440	1 446 46667	540	1 774 55000	640	2 099 73333	740	2 427 81667	840	2 755 90000	940	3 083 98333
1	134 51417	1	462 59750	1	462 59750	1	462 59750	1	462 59750	1	462 59750	1	462 59750	1	462 59750	1	462 59750	1	462 59750
2	137 79500	2	465 87833	2	465 87833	2	465 87833	2	465 87833	2	465 87833	2	465 87833	2	465 87833	2	465 87833	2	465 87833
3	141 07583	3	469 15917	3	469 15917	3	469 15917	3	469 15917	3	469 15917	3	469 15917	3	469 15917	3	469 15917	3	469 15917
4	144 35667	4	472 44000	4	472 44000	4	472 44000	4	472 44000	4	472 44000	4	472 44000	4	472 44000	4	472 44000	4	472 44000
5	147 63750	5	475 72083	5	475 72083	5	475 72083	5	475 72083	5	475 72083	5	475 72083	5	475 72083	5	475 72083	5	475 72083
6	150 91833	6	479 00167	6	479 00167	6	479 00167	6	479 00167	6	479 00167	6	479 00167	6	479 00167	6	479 00167	6	479 00167
7	154 19917	7	482 28250	7	482 28250	7	482 28250	7	482 28250	7	482 28250	7	482 28250	7	482 28250	7	482 28250	7	482 28250
8	157 48000	8	485 56333	8	485 56333	8	485 56333	8	485 56333	8	485 56333	8	485 56333	8	485 56333	8	485 56333	8	485 56333
9	160 76083	9	488 84417	9	488 84417	9	488 84417	9	488 84417	9	488 84417	9	488 84417	9	488 84417	9	488 84417	9	488 84417

50	164.04167	150	492.12500	250	820.20833	350	1,148.29107	450	1,476.37600	550	1,804.45833	650	2,132.64167	750	2,460.69500	850	2,788.70833	950	3,116.79167
1	167.32280	1	495.40683	1	828.48917	1	1,151.57280	1	1,479.65583	1	1,807.73917	1	2,135.82250	1	2,463.90583	1	2,791.98917	1	3,120.07250
2	170.60333	2	498.68667	2	830.67000	2	1,154.83333	2	1,482.93967	2	1,811.02000	2	2,139.10333	2	2,467.18667	2	2,795.27000	2	3,123.35333
3	173.88417	3	501.96750	3	833.05083	3	1,158.10000	3	1,486.21750	3	1,814.30083	3	2,142.38417	3	2,470.46750	3	2,798.65083	3	3,126.63417
4	177.16500	4	505.24833	4	835.33167	4	1,161.41500	4	1,489.49833	4	1,817.58167	4	2,146.06500	4	2,473.74833	4	2,801.83167	4	3,129.91500
5	180.44583	5	508.52917	5	836.61250	5	1,164.69583	5	1,492.77817	5	1,820.86250	5	2,148.94583	5	2,477.02250	5	2,805.11250	5	3,133.19583
6	183.72667	6	511.81000	6	839.89333	6	1,167.97667	6	1,496.06000	6	1,824.14333	6	2,152.22567	6	2,480.31000	6	2,808.39333	6	3,136.47667
7	187.00750	7	515.09083	7	843.17417	7	1,171.25750	7	1,499.34083	7	1,827.42417	7	2,155.50750	7	2,483.56083	7	2,811.67417	7	3,139.75750
8	190.28833	8	518.37167	8	846.45500	8	1,174.53833	8	1,502.62167	8	1,830.70500	8	2,158.78833	8	2,486.81167	8	2,814.95500	8	3,143.03833
9	193.56917	9	521.65250	9	849.73583	9	1,177.81917	9	1,505.90250	9	1,833.98683	9	2,162.06917	9	2,490.16250	9	2,818.23583	9	3,146.31917
60	196.85000	160	524.93333	260	853.01667	360	1,181.10000	460	1,509.18333	560	1,837.29687	660	2,165.35000	760	2,493.43333	860	2,821.51667	960	3,149.60000
1	200.13083	1	528.21417	1	856.29750	1	1,184.38083	1	1,512.49417	1	1,840.54750	1	2,168.63083	1	2,496.71417	1	2,824.79750	1	3,152.88083
2	203.41167	2	531.49500	2	859.57833	2	1,187.66167	2	1,515.74500	2	1,843.82833	2	2,171.91167	2	2,499.99500	2	2,828.07833	2	3,156.16167
3	206.69250	3	534.77583	3	862.85917	3	1,190.94250	3	1,519.02583	3	1,847.10917	3	2,175.19250	3	2,503.27583	3	2,831.35917	3	3,159.44250
4	209.97333	4	538.05667	4	866.14000	4	1,194.22333	4	1,522.30667	4	1,850.39000	4	2,178.47333	4	2,506.55667	4	2,834.64000	4	3,162.72333
5	213.25417	5	541.33750	5	869.42083	5	1,197.50417	5	1,525.58750	5	1,853.67083	5	2,181.75417	5	2,509.83750	5	2,837.92083	5	3,166.00417
6	216.53500	6	544.61833	6	872.70167	6	1,200.78500	6	1,528.86833	6	1,856.95167	6	2,185.03500	6	2,513.11833	6	2,841.20167	6	3,169.28500
7	219.81583	7	547.89917	7	875.98250	7	1,204.06583	7	1,532.14917	7	1,860.23250	7	2,188.31583	7	2,516.39917	7	2,844.48250	7	3,172.56583
8	223.09667	8	551.18000	8	879.26333	8	1,207.34667	8	1,535.43000	8	1,863.51333	8	2,191.59667	8	2,519.68000	8	2,847.76333	8	3,175.84667
9	226.37750	9	554.46083	9	882.54417	9	1,210.62750	9	1,538.71083	9	1,866.79417	9	2,194.87750	9	2,522.96083	9	2,851.04417	9	3,179.12750
70	229.65833	170	557.74167	270	885.82500	370	1,213.90833	470	1,541.90167	570	1,870.07500	670	2,198.15633	770	2,526.24167	870	2,854.32500	970	3,182.40833
1	232.93917	1	561.02250	1	889.10583	1	1,217.18917	1	1,545.27250	1	1,873.35583	1	2,201.43917	1	2,529.52250	1	2,857.60583	1	3,185.68917
2	236.22000	2	564.30333	2	892.38667	2	1,220.47000	2	1,548.55333	2	1,876.63667	2	2,204.72000	2	2,532.80333	2	2,860.88667	2	3,188.97000
3	239.50083	3	567.58417	3	895.66750	3	1,223.75083	3	1,551.83417	3	1,879.91750	3	2,208.00683	3	2,536.08417	3	2,864.16750	3	3,192.25083
4	242.78167	4	570.86500	4	898.94833	4	1,227.03167	4	1,555.11500	4	1,883.19833	4	2,211.28167	4	2,539.36500	4	2,867.44833	4	3,195.53167
5	246.06250	5	574.14583	5	902.22917	5	1,230.31250	5	1,558.39583	5	1,886.47917	5	2,214.56250	5	2,542.64583	5	2,870.72917	5	3,198.81250
6	249.34333	6	577.42667	6	905.51000	6	1,233.59333	6	1,561.67667	6	1,889.76000	6	2,217.84333	6	2,545.92667	6	2,874.01000	6	3,202.09333
7	252.62417	7	580.70750	7	908.79083	7	1,236.87417	7	1,564.95750	7	1,893.04083	7	2,221.12417	7	2,549.20750	7	2,877.29083	7	3,205.37417
8	255.90500	8	583.98833	8	912.07167	8	1,240.15500	8	1,568.23833	8	1,896.32167	8	2,224.40500	8	2,552.48833	8	2,880.57167	8	3,208.65500
9	259.18583	9	587.26917	9	915.35250	9	1,243.43583	9	1,571.51917	9	1,899.60250	9	2,227.68583	9	2,555.76917	9	2,883.85250	9	3,211.93583
80	262.46667	180	590.55000	280	918.63833	380	1,246.71667	480	1,574.80000	580	1,902.86333	680	2,230.96667	780	2,559.05000	880	2,887.13333	980	3,215.21667
1	265.74750	1	593.83083	1	921.91417	1	1,249.99750	1	1,578.08083	1	1,906.16417	1	2,234.24750	1	2,562.33083	1	2,890.41417	1	3,218.49750
2	269.02833	2	597.11167	2	925.19500	2	1,253.27833	2	1,581.36167	2	1,909.44500	2	2,237.52833	2	2,565.61167	2	2,893.69500	2	3,221.77833
3	272.30917	3	600.39250	3	928.47583	3	1,256.55917	3	1,584.64250	3	1,912.72583	3	2,240.80917	3	2,568.89250	3	2,896.97583	3	3,225.05917
4	275.59000	4	603.67333	4	931.75667	4	1,259.84000	4	1,587.92333	4	1,916.00667	4	2,244.09000	4	2,572.17333	4	2,900.25667	4	3,228.34000
5	278.87083	5	606.95417	5	935.03750	5	1,263.12083	5	1,591.20417	5	1,919.28750	5	2,247.37083	5	2,575.45417	5	2,903.53750	5	3,231.62083
6	282.15167	6	610.23500	6	938.31833	6	1,266.40167	6	1,594.48500	6	1,922.56833	6	2,250.65167	6	2,578.73500	6	2,906.81833	6	3,234.90167
7	285.43250	7	613.51583	7	941.59917	7	1,269.68250	7	1,597.76583	7	1,925.84917	7	2,253.93250	7	2,582.01583	7	2,910.09917	7	3,238.18250
8	288.71333	8	616.79667	8	944.88000	8	1,272.96333	8	1,601.04667	8	1,929.13000	8	2,257.21333	8	2,585.29667	8	2,913.38000	8	3,241.46333
9	291.99417	9	620.07750	9	948.16083	9	1,276.24417	9	1,604.32750	9	1,932.41083	9	2,260.49417	9	2,588.57750	9	2,916.66083	9	3,244.74417
90	295.27500	190	623.35833	290	951.44167	390	1,279.52500	490	1,607.60833	590	1,935.69167	690	2,263.77500	790	2,591.85833	890	2,919.94167	990	3,248.02500
1	298.55583	1	626.63917	1	954.72250	1	1,282.80583	1	1,610.88917	1	1,938.97250	1	2,267.05583	1	2,595.13917	1	2,923.22250	1	3,251.30583
2	301.83667	2	629.92000	2	958.00333	2	1,286.08667	2	1,614.17000	2	1,942.25333	2	2,270.33667	2	2,598.42000	2	2,926.40333	2	3,254.58667
3	305.11750	3	633.20083	3	961.28417	3	1,289.36750	3	1,617.45083	3	1,945.53417	3	2,273.61750	3	2,601.70083	3	2,929.78417	3	3,257.86750
4	308.39833	4	636.48167	4	964.56500	4	1,292.64833	4	1,620.73167	4	1,948.81500	4	2,276.89833	4	2,604.98167	4	2,933.06500	4	3,261.14833
5	311.67917	5	639.76250	5	967.84583	5	1,295.92917	5	1,624.01250	5	1,952.09667	5	2,280.17917	5	2,608.26250	5	2,936.34583	5	3,264.42917
6	314.96000	6	643.04333	6	971.12667	6	1,299.21000	6	1,627.29250	6	1,955.37583	6	2,283.46000	6	2,611.54333	6	2,939.62667	6	3,267.71000
7	318.24083	7	646.32417	7	974.40750	7	1,302.49083	7	1,630.57417	7	1,958.65750	7	2,286.74083	7	2,614.82417	7	2,942.90750	7	3,270.99083
8	321.52167	8	649.60500	8	977.68833	8	1,305.77167	8	1,633.85600	8	1,961.93833	8	2,290.02167	8	2,618.10500	8	2,946.18333	8	3,274.27167
9	324.80250	9	652.88583	9	980.96917	9	1,309.06250	9	1,637.13583	9	1,965.21917	9	2,293.30250	9	2,621.38583	9	2,949.46917	9	3,277.55250

LENGTHS.—MILES TO KILOMETER

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 mile = 1.609347219 kilometers.

Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.	Miles.	Kilometers.
0	1.6093	100	160.9347	200	321.8694	300	482.8042	400	643.7390	500	804.6736	600	965.6083	700	1,126.5431
1	1.6093	1	1.6093	1	1.6093	1	1.6093	1	1.6093	1	1.6093	1	1.6093	1	1.6093
2	3.2187	2	3.2187	2	3.2187	2	3.2187	2	3.2187	2	3.2187	2	3.2187	2	3.2187
3	4.8280	3	4.8280	3	4.8280	3	4.8280	3	4.8280	3	4.8280	3	4.8280	3	4.8280
4	6.4374	4	6.4374	4	6.4374	4	6.4374	4	6.4374	4	6.4374	4	6.4374	4	6.4374
5	8.0467	5	8.0467	5	8.0467	5	8.0467	5	8.0467	5	8.0467	5	8.0467	5	8.0467
6	9.6561	6	9.6561	6	9.6561	6	9.6561	6	9.6561	6	9.6561	6	9.6561	6	9.6561
7	11.2654	7	11.2654	7	11.2654	7	11.2654	7	11.2654	7	11.2654	7	11.2654	7	11.2654
8	12.8748	8	12.8748	8	12.8748	8	12.8748	8	12.8748	8	12.8748	8	12.8748	8	12.8748
9	14.4841	9	14.4841	9	14.4841	9	14.4841	9	14.4841	9	14.4841	9	14.4841	9	14.4841
10	16.0935	110	177.0252	210	337.9629	310	498.8976	410	659.8324	510	820.7671	610	981.7018	710	1,142.6365
1	17.7028	1	17.7028	1	17.7028	1	17.7028	1	17.7028	1	17.7028	1	17.7028	1	17.7028
2	19.3122	2	19.3122	2	19.3122	2	19.3122	2	19.3122	2	19.3122	2	19.3122	2	19.3122
3	20.9215	3	20.9215	3	20.9215	3	20.9215	3	20.9215	3	20.9215	3	20.9215	3	20.9215
4	22.5309	4	22.5309	4	22.5309	4	22.5309	4	22.5309	4	22.5309	4	22.5309	4	22.5309
5	24.1402	5	24.1402	5	24.1402	5	24.1402	5	24.1402	5	24.1402	5	24.1402	5	24.1402
6	25.7496	6	25.7496	6	25.7496	6	25.7496	6	25.7496	6	25.7496	6	25.7496	6	25.7496
7	27.3589	7	27.3589	7	27.3589	7	27.3589	7	27.3589	7	27.3589	7	27.3589	7	27.3589
8	28.9682	8	28.9682	8	28.9682	8	28.9682	8	28.9682	8	28.9682	8	28.9682	8	28.9682
9	30.5776	9	30.5776	9	30.5776	9	30.5776	9	30.5776	9	30.5776	9	30.5776	9	30.5776
20	32.1869	120	193.1217	220	354.0564	320	514.9911	420	675.9258	520	836.8605	620	997.7953	720	1,158.7300
1	33.7963	1	33.7963	1	33.7963	1	33.7963	1	33.7963	1	33.7963	1	33.7963	1	33.7963
2	35.4056	2	35.4056	2	35.4056	2	35.4056	2	35.4056	2	35.4056	2	35.4056	2	35.4056
3	37.0150	3	37.0150	3	37.0150	3	37.0150	3	37.0150	3	37.0150	3	37.0150	3	37.0150
4	38.6243	4	38.6243	4	38.6243	4	38.6243	4	38.6243	4	38.6243	4	38.6243	4	38.6243
5	40.2337	5	40.2337	5	40.2337	5	40.2337	5	40.2337	5	40.2337	5	40.2337	5	40.2337
6	41.8430	6	41.8430	6	41.8430	6	41.8430	6	41.8430	6	41.8430	6	41.8430	6	41.8430
7	43.4524	7	43.4524	7	43.4524	7	43.4524	7	43.4524	7	43.4524	7	43.4524	7	43.4524
8	45.0617	8	45.0617	8	45.0617	8	45.0617	8	45.0617	8	45.0617	8	45.0617	8	45.0617
9	46.6711	9	46.6711	9	46.6711	9	46.6711	9	46.6711	9	46.6711	9	46.6711	9	46.6711
30	48.2804	130	209.2751	230	370.1490	330	531.0846	430	692.0193	530	852.9540	630	1,013.8887	730	1,174.8235
1	49.8898	1	49.8898	1	49.8898	1	49.8898	1	49.8898	1	49.8898	1	49.8898	1	49.8898
2	51.4991	2	51.4991	2	51.4991	2	51.4991	2	51.4991	2	51.4991	2	51.4991	2	51.4991
3	53.1085	3	53.1085	3	53.1085	3	53.1085	3	53.1085	3	53.1085	3	53.1085	3	53.1085
4	54.7178	4	54.7178	4	54.7178	4	54.7178	4	54.7178	4	54.7178	4	54.7178	4	54.7178
5	56.3272	5	56.3272	5	56.3272	5	56.3272	5	56.3272	5	56.3272	5	56.3272	5	56.3272
6	57.9365	6	57.9365	6	57.9365	6	57.9365	6	57.9365	6	57.9365	6	57.9365	6	57.9365
7	59.5458	7	59.5458	7	59.5458	7	59.5458	7	59.5458	7	59.5458	7	59.5458	7	59.5458
8	61.1552	8	61.1552	8	61.1552	8	61.1552	8	61.1552	8	61.1552	8	61.1552	8	61.1552
9	62.7645	9	62.7645	9	62.7645	9	62.7645	9	62.7645	9	62.7645	9	62.7645	9	62.7645
40	64.3739	140	225.3086	240	386.2433	340	547.1781	440	708.1128	540	869.0475	640	1,029.9822	740	1,190.9169
1	65.9832	1	65.9832	1	65.9832	1	65.9832	1	65.9832	1	65.9832	1	65.9832	1	65.9832
2	67.5926	2	67.5926	2	67.5926	2	67.5926	2	67.5926	2	67.5926	2	67.5926	2	67.5926
3	69.2019	3	69.2019	3	69.2019	3	69.2019	3	69.2019	3	69.2019	3	69.2019	3	69.2019
4	70.8113	4	70.8113	4	70.8113	4	70.8113	4	70.8113	4	70.8113	4	70.8113	4	70.8113
5	72.4206	5	72.4206	5	72.4206	5	72.4206	5	72.4206	5	72.4206	5	72.4206	5	72.4206
6	74.0300	6	74.0300	6	74.0300	6	74.0300	6	74.0300	6	74.0300	6	74.0300	6	74.0300
7	75.6393	7	75.6393	7	75.6393	7	75.6393	7	75.6393	7	75.6393	7	75.6393	7	75.6393
8	77.2487	8	77.2487	8	77.2487	8	77.2487	8	77.2487	8	77.2487	8	77.2487	8	77.2487
9	78.8580	9	78.8580	9	78.8580	9	78.8580	9	78.8580	9	78.8580	9	78.8580	9	78.8580

50	80, 4974	150	241, 4021	250	402, 3368	350	563, 2715	450	724, 2062	550	886, 1410	650	1, 046, 0757	750	1, 207, 0104	850	1, 367, 9451	950	1, 538, 8799
1	82, 0767	1	243, 0114	1	403, 9461	1	564, 8909	1	726, 8166	1	886, 7603	1	1, 047, 0850	1	1, 208, 6198	1	1, 369, 6545	1	1, 539, 4892
2	83, 6861	2	246, 2901	2	405, 6556	2	566, 4902	2	727, 4249	2	888, 3597	2	1, 049, 2944	2	1, 210, 2291	2	1, 371, 1638	2	1, 539, 0886
3	85, 5254	3	246, 2901	3	407, 1648	3	568, 0896	3	729, 0843	3	890, 9690	3	1, 050, 9037	3	1, 211, 8385	3	1, 372, 7732	3	1, 539, 7079
4	86, 9047	4	247, 8395	4	408, 7742	4	569, 7069	4	730, 6436	4	891, 6784	4	1, 052, 6131	4	1, 213, 4478	4	1, 374, 3825	4	1, 539, 3172
5	88, 5141	5	249, 4488	5	410, 3835	5	571, 3183	5	732, 2630	5	893, 1877	5	1, 054, 1224	5	1, 215, 0572	5	1, 376, 9919	5	1, 539, 9266
6	90, 1234	6	251, 0552	6	411, 9929	6	572, 9276	6	733, 8623	6	894, 7971	6	1, 055, 7318	6	1, 216, 6665	6	1, 377, 8012	6	1, 539, 5369
7	91, 7328	7	252, 6676	7	413, 6022	7	574, 5370	7	735, 4717	7	896, 4064	7	1, 057, 3411	7	1, 218, 2768	7	1, 379, 2106	7	1, 540, 1463
8	93, 3421	8	254, 2769	8	415, 2116	8	576, 1463	8	737, 0810	8	898, 0157	8	1, 058, 9505	8	1, 219, 8852	8	1, 380, 8199	8	1, 541, 7546
9	94, 9515	9	255, 8862	9	416, 8209	9	577, 7557	9	738, 6904	9	899, 6251	9	1, 060, 5598	9	1, 221, 4945	9	1, 382, 4293	9	1, 543, 3640
60	96, 5608	160	287, 4856	260	418, 4303	360	579, 3650	460	740, 2997	560	901, 2344	660	1, 062, 1892	760	1, 223, 1039	860	1, 384, 0386	960	1, 544, 3733
1	97, 1702	1	259, 1349	1	420, 0396	1	580, 9743	1	741, 9091	1	902, 8387	1	1, 063, 7785	1	1, 224, 7132	1	1, 385, 6480	1	1, 546, 6827
2	99, 7795	2	261, 7442	2	421, 6490	2	582, 5872	2	743, 5184	2	904, 4531	2	1, 065, 3379	2	1, 226, 3226	2	1, 387, 2573	2	1, 548, 1920
3	101, 3889	3	263, 3236	3	423, 2583	3	584, 1930	3	745, 1812	3	906, 0925	3	1, 066, 9219	3	1, 227, 9319	3	1, 388, 8666	3	1, 549, 8014
4	102, 9982	4	264, 8677	4	424, 8677	4	586, 8024	4	746, 7371	4	907, 6718	4	1, 068, 6066	4	1, 229, 5413	4	1, 390, 4760	4	1, 551, 4107
5	104, 6076	5	266, 5423	5	426, 4770	5	587, 4117	5	748, 3465	5	909, 2812	5	1, 070, 2159	5	1, 231, 1506	5	1, 392, 0853	5	1, 553, 0201
6	106, 2169	6	267, 1516	6	428, 0864	6	589, 0211	6	749, 9558	6	910, 8905	6	1, 071, 8252	6	1, 232, 7600	6	1, 393, 6947	6	1, 554, 6294
7	107, 8263	7	268, 7610	7	429, 6957	7	590, 6304	7	751, 5652	7	912, 4969	7	1, 073, 4346	7	1, 234, 3693	7	1, 395, 3040	7	1, 556, 2388
8	109, 4356	8	270, 3703	8	431, 3051	8	592, 2398	8	753, 1745	8	914, 1092	8	1, 075, 0439	8	1, 235, 9787	8	1, 396, 9134	8	1, 557, 8481
9	111, 0450	9	271, 9797	9	432, 9144	9	593, 8491	9	754, 7838	9	915, 7186	9	1, 076, 6533	9	1, 237, 5880	9	1, 398, 5227	9	1, 559, 4575
70	112, 6543	170	273, 5890	270	434, 5237	370	595, 4585	470	756, 3932	570	917, 3379	670	1, 078, 2626	770	1, 239, 1974	870	1, 400, 1321	970	1, 561, 0668
1	114, 2637	1	275, 1984	1	436, 1331	1	597, 0678	1	758, 0025	1	918, 9373	1	1, 079, 8720	1	1, 240, 8037	1	1, 401, 7414	1	1, 562, 6761
2	115, 8730	2	276, 8077	2	437, 7424	2	598, 6772	2	759, 6119	2	920, 5466	2	1, 081, 4813	2	1, 242, 4161	2	1, 403, 3508	2	1, 564, 2855
3	117, 4823	3	278, 4171	3	439, 3518	3	600, 2875	3	761, 2212	3	922, 1660	3	1, 083, 0907	3	1, 244, 0254	3	1, 405, 9601	3	1, 566, 8948
4	119, 0917	4	280, 0264	4	440, 9611	4	601, 8959	4	762, 8306	4	923, 7653	4	1, 084, 7000	4	1, 245, 6347	4	1, 406, 5695	4	1, 567, 5042
5	120, 7010	5	281, 6358	5	442, 5705	5	603, 5052	5	764, 4399	5	925, 3747	5	1, 086, 3094	5	1, 247, 2441	5	1, 408, 1788	5	1, 569, 1135
6	122, 3104	6	283, 2451	6	444, 1798	6	605, 1145	6	766, 0493	6	926, 9840	6	1, 087, 9187	6	1, 248, 8534	6	1, 409, 7882	6	1, 570, 7229
7	123, 9197	7	284, 8545	7	445, 7892	7	606, 7239	7	767, 6586	7	928, 5933	7	1, 089, 5281	7	1, 250, 4628	7	1, 411, 3975	7	1, 572, 3322
8	125, 5291	8	286, 4638	8	447, 3985	8	608, 3332	8	769, 2680	8	930, 2027	8	1, 091, 1374	8	1, 252, 0721	8	1, 413, 0069	8	1, 573, 9416
9	127, 1384	9	288, 0732	9	449, 0079	9	609, 9426	9	770, 8773	9	931, 8120	9	1, 092, 7463	9	1, 253, 6815	9	1, 414, 6162	9	1, 575, 5509
80	128, 7478	180	289, 6825	280	450, 6172	380	611, 5519	480	772, 4867	580	933, 4214	680	1, 094, 3561	780	1, 255, 2908	880	1, 416, 2256	980	1, 577, 1603
1	130, 3571	1	291, 2918	1	452, 2266	1	613, 1613	1	774, 0960	1	935, 0307	1	1, 095, 9555	1	1, 256, 9002	1	1, 417, 8349	1	1, 578, 7696
2	131, 9665	2	292, 9012	2	453, 8359	2	614, 7706	2	775, 7054	2	936, 6401	2	1, 097, 5748	2	1, 258, 5096	2	1, 419, 4442	2	1, 580, 3790
3	133, 5758	3	294, 5105	3	455, 4453	3	616, 3800	3	777, 3147	3	938, 2494	3	1, 099, 1842	3	1, 260, 1189	3	1, 421, 0536	3	1, 581, 9883
4	135, 1852	4	296, 1199	4	457, 0546	4	617, 9593	4	778, 9241	4	939, 8588	4	1, 100, 7935	4	1, 261, 7282	4	1, 422, 6629	4	1, 583, 5977
5	136, 7945	5	297, 7292	5	458, 6640	5	619, 5987	5	780, 5334	5	941, 4681	5	1, 102, 4028	5	1, 262, 3376	5	1, 424, 2723	5	1, 585, 2070
6	138, 4039	6	299, 3386	6	460, 2733	6	621, 2080	6	782, 1427	6	943, 0775	6	1, 104, 0122	6	1, 264, 9469	6	1, 425, 8816	6	1, 586, 8164
7	140, 0132	7	300, 9479	7	461, 8827	7	622, 3174	7	783, 7521	7	944, 6868	7	1, 105, 6215	7	1, 266, 5563	7	1, 427, 4910	7	1, 588, 4257
8	141, 6226	8	302, 5573	8	463, 4920	8	624, 4267	8	785, 3614	8	946, 2962	8	1, 106, 2309	8	1, 268, 1656	8	1, 429, 1003	8	1, 590, 0351
9	143, 2319	9	304, 1666	9	465, 1013	9	626, 0361	9	786, 9708	9	947, 9055	9	1, 108, 8402	9	1, 269, 7750	9	1, 430, 7097	9	1, 591, 6444
90	144, 8412	190	305, 7760	290	466, 7107	390	627, 6454	490	788, 5801	590	949, 5149	690	1, 110, 4496	790	1, 271, 3843	890	1, 432, 3190	990	1, 593, 2537
1	146, 4506	1	307, 3853	1	468, 3200	1	629, 2548	1	790, 1895	1	951, 1942	1	1, 112, 0689	1	1, 272, 9986	1	1, 433, 9284	1	1, 594, 8631
2	148, 0599	2	308, 9947	2	469, 9294	2	630, 8641	2	791, 7988	2	952, 7336	2	1, 113, 6683	2	1, 274, 6080	2	1, 435, 5377	2	1, 596, 4724
3	149, 6693	3	310, 6040	3	471, 5387	3	632, 4735	3	793, 4082	3	954, 3429	3	1, 115, 2776	3	1, 276, 2123	3	1, 437, 1471	3	1, 598, 0818
4	151, 2786	4	312, 2134	4	473, 1481	4	634, 0828	4	795, 0175	4	956, 9522	4	1, 116, 8870	4	1, 277, 8217	4	1, 438, 7654	4	1, 599, 6911
5	152, 8880	5	313, 8227	5	474, 7574	5	635, 6922	5	796, 6269	5	957, 5616	5	1, 118, 4963	5	1, 279, 4310	5	1, 440, 3658	5	1, 601, 3005
6	154, 4973	6	315, 4321	6	476, 3668	6	637, 3015	6	798, 2362	6	959, 1709	6	1, 120, 1057	6	1, 281, 0404	6	1, 441, 9751	6	1, 602, 9098
7	156, 1067	7	317, 0414	7	477, 9761	7	639, 9108	7	799, 8456	7	960, 7803	7	1, 121, 7150	7	1, 282, 6497	7	1, 443, 5845	7	1, 604, 5192
8	157, 7160	8	318, 6507	8	479, 5856	8	640, 5202	8	801, 4549	8	962, 3896	8	1, 123, 3244	8	1, 284, 2591	8	1, 445, 1938	8	1, 606, 1285
9	159, 3254	9	320, 2601	9	481, 1948	9	642, 1235	9	803, 0643	9	963, 9990	9	1, 124, 9337	9	1, 285, 8684	9	1, 446, 8031	9	1, 607, 7379

LENGTHS.—KILOMETERS TO MILES.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 kilometer = 0.6213699495 mile.

Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.	Kilo- meters.	Miles.
0	62.13699	100	62.13699	200	124.27398	300	186.41098	400	248.54798	500	310.68497	600	372.82197	700	434.95896	800	497.09596	900	559.23296
1	62.75836	1	62.75836	1	124.89536	1	187.02636	1	249.18336	1	311.32036	1	373.45736	1	435.59436	1	497.73136	1	559.86936
2	63.37973	2	63.37973	2	125.51673	2	187.64773	2	249.79973	2	311.94173	2	374.07873	2	436.21573	2	498.34873	2	560.48073
3	64.00110	3	64.00110	3	126.13810	3	188.26910	3	250.41210	3	312.56310	3	374.69910	3	436.84010	3	498.96910	3	561.10110
4	64.62247	4	64.62247	4	126.75947	4	188.89047	4	251.03347	4	313.18447	4	375.32047	4	437.47047	4	499.59047	4	561.72247
5	65.24384	5	65.24384	5	127.38084	5	189.51184	5	251.65484	5	313.80584	5	375.94184	5	438.09184	5	500.21184	5	562.34384
6	65.86521	6	65.86521	6	128.00221	6	190.13321	6	252.27621	6	314.42721	6	376.56321	6	438.71321	6	500.83321	6	562.96521
7	66.48658	7	66.48658	7	128.62358	7	190.75458	7	252.89758	7	315.04858	7	377.18458	7	439.33458	7	501.45458	7	563.58658
8	67.10795	8	67.10795	8	129.24495	8	191.37595	8	253.51895	8	315.66995	8	377.80595	8	439.95595	8	502.07595	8	564.20795
9	67.72932	9	67.72932	9	129.86632	9	191.99732	9	254.14032	9	316.29132	9	378.42732	9	440.57632	9	502.69632	9	564.82932
10	68.35069	110	68.35069	210	130.48769	310	192.62468	410	254.76168	510	316.89867	610	379.03567	710	441.17266	810	503.30966	910	565.44066
1	68.97206	1	68.97206	1	131.10906	1	193.24606	1	255.38306	1	317.52006	1	379.65706	1	441.79406	1	503.93106	1	566.06206
2	69.59343	2	69.59343	2	131.73043	2	193.86743	2	256.00443	2	318.14143	2	380.27843	2	442.41543	2	504.55243	2	566.68343
3	70.21480	3	70.21480	3	132.35180	3	194.48879	3	256.62579	3	318.76278	3	380.89978	3	443.03677	3	505.17377	3	567.30477
4	70.83617	4	70.83617	4	132.97317	4	195.11016	4	257.24716	4	319.38416	4	381.52115	4	443.65814	4	505.79514	4	567.92614
5	71.45754	5	71.45754	5	133.59454	5	195.73153	5	257.86853	5	320.00552	5	382.14252	5	444.27951	5	506.41651	5	568.54751
6	72.07891	6	72.07891	6	134.21591	6	196.35290	6	258.48990	6	320.62690	6	382.76390	6	444.89089	6	507.03789	6	569.16889
7	72.70028	7	72.70028	7	134.83728	7	196.97427	7	259.11127	7	321.24826	7	383.38526	7	445.51225	7	507.65925	7	569.79024
8	73.32165	8	73.32165	8	135.45865	8	197.59564	8	259.73264	8	321.86963	8	383.90663	8	446.13363	8	508.28062	8	570.41161
9	73.94302	9	73.94302	9	136.08002	9	198.21701	9	260.35401	9	322.49100	9	384.52800	9	446.75499	9	508.90199	9	571.03308
20	12.42740	120	74.56439	220	136.70139	320	198.83838	420	260.97638	520	323.11237	620	385.24937	720	447.38036	820	509.62336	920	571.66035
1	13.04877	1	75.18576	1	137.32276	1	199.45975	1	261.59775	1	323.73374	1	385.87074	1	448.00773	1	510.14473	1	572.28172
2	13.67014	2	75.80713	2	137.94413	2	200.08112	2	262.21912	2	324.35511	2	386.49211	2	448.62910	2	510.76610	2	572.90309
3	14.29151	3	76.42850	3	138.56550	3	200.70249	3	262.83949	3	324.97648	3	387.11348	3	449.25047	3	511.38747	3	573.52446
4	14.91288	4	77.04987	4	139.18687	4	201.32386	4	263.46086	4	325.59785	4	387.73485	4	449.87184	4	512.00884	4	574.14583
5	15.53425	5	77.67124	5	139.80824	5	201.94523	5	264.08223	5	326.21922	5	388.35622	5	450.49321	5	512.63021	5	574.76720
6	16.15562	6	78.29261	6	140.42961	6	202.56660	6	264.70360	6	326.84060	6	388.97759	6	451.11458	6	513.25168	6	575.38857
7	16.77699	7	78.91398	7	141.05098	7	203.18797	7	265.32497	7	327.46196	7	389.59896	7	451.73595	7	513.87265	7	576.00994
8	17.39836	8	79.53535	8	141.67235	8	203.80934	8	265.94634	8	328.08333	8	390.22032	8	452.35732	8	514.49432	8	576.63131
9	18.01973	9	80.15672	9	142.29372	9	204.43071	9	266.56771	9	328.70470	9	390.84170	9	452.97869	9	515.11569	9	577.25268
30	18.64110	130	80.77809	230	142.91509	330	205.06208	430	267.18908	530	329.32507	630	391.46307	730	453.60006	830	516.73706	930	577.87405
1	19.26247	1	81.39946	1	143.53646	1	205.67345	1	267.81045	1	329.94744	1	392.08444	1	454.22143	1	517.35843	1	578.49542
2	19.88384	2	82.02082	2	144.15783	2	206.29482	2	268.43182	2	330.56881	2	392.70581	2	454.84280	2	517.97980	2	579.11679
3	20.50521	3	82.64219	3	144.77920	3	206.91619	3	269.05319	3	331.19018	3	393.33118	3	455.46417	3	518.60117	3	579.73816
4	21.12658	4	83.26357	4	145.40057	4	207.53756	4	269.67456	4	331.81156	4	393.94855	4	456.08554	4	519.22254	4	580.35953
5	21.74795	5	83.88494	5	146.02194	5	208.15893	5	270.29593	5	332.43292	5	394.56992	5	456.70691	5	519.84391	5	580.98090
6	22.36932	6	84.50631	6	146.64331	6	208.78030	6	270.91730	6	333.05429	6	395.19129	6	457.32828	6	520.46528	6	581.60227
7	22.99069	7	85.12768	7	147.26468	7	209.40167	7	271.53867	7	333.67666	7	395.81266	7	457.94965	7	521.08665	7	582.22364
8	23.61206	8	85.74905	8	147.88605	8	210.02304	8	272.16004	8	334.29703	8	396.43403	8	458.57102	8	521.70802	8	582.84501
9	24.23343	9	86.37042	9	148.50742	9	210.64441	9	272.78141	9	334.91840	9	397.05540	9	459.19239	9	522.32939	9	583.46638
40	24.85480	140	86.99179	240	149.12879	340	211.26578	440	273.40278	540	336.63977	640	397.67677	740	459.81376	840	523.96076	940	584.08775
1	25.47617	1	87.61316	1	149.75016	1	211.88716	1	274.02416	1	337.26116	1	398.28816	1	460.43516	1	524.58116	1	584.70915
2	26.09754	2	88.23453	2	150.37153	2	212.50852	2	274.64552	2	337.88252	2	398.90952	2	461.05652	2	525.20252	2	585.33054
3	26.71891	3	88.85590	3	150.99290	3	213.12988	3	275.26688	3	338.50388	3	399.53088	3	461.67787	3	525.82387	3	585.95191
4	27.34028	4	89.47727	4	151.61427	4	213.75126	4	275.88826	4	339.12526	4	400.15225	4	462.29924	4	526.44524	4	586.57328
5	27.96165	5	90.09864	5	152.23564	5	214.37263	5	276.50963	5	339.74663	5	400.77363	5	462.92061	5	527.06661	5	587.19466
6	28.58302	6	90.72001	6	152.85701	6	214.99400	6	277.13100	6	340.36800	6	401.39400	6	463.54200	6	527.68800	6	587.81605
7	29.20439	7	91.34138	7	153.47838	7	215.61537	7	277.75237	7	340.98936	7	402.01536	7	464.16335	7	528.30935	7	588.43734
8	29.82576	8	91.96275	8	154.09976	8	216.23674	8	278.37374	8	341.61073	8	402.63673	8	464.78472	8	528.93072	8	589.05871
9	30.44713	9	92.58412	9	154.72112	9	216.85811	9	278.99511	9	342.23210	9	403.25810	9	465.40609	9	529.55209	9	589.68008

AREAS.—ACRES TO HECTARES.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 acre = 0.4046872610 hectare.

Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.
0	0.404687	100	40.46873	200	80.93745	300	121.40618	400	161.87490	500	202.34363	600	242.81236	700	283.28108
1	0.40469	1	81.34214	1	162.68428	1	243.05102	1	323.41775	1	403.78448	1	484.15121	1	564.51794
2	0.80937	2	81.74683	2	162.68428	2	243.05102	2	323.41775	2	403.78448	2	484.15121	2	564.51794
3	1.21406	3	82.15151	3	163.08897	3	243.45569	3	323.82919	3	404.18917	3	484.55589	3	564.92262
4	1.61875	4	82.55620	4	163.49365	4	243.86033	4	324.23387	4	404.59385	4	484.96057	4	565.32735
5	2.02344	5	82.96089	5	163.89834	5	244.26501	5	324.63855	5	405.00854	5	485.36526	5	565.73204
6	2.42812	6	83.36558	6	164.30303	6	244.66969	6	325.04320	6	405.41319	6	485.77000	6	566.13673
7	2.83281	7	83.77026	7	164.70772	7	245.07438	7	325.44787	7	405.81788	7	486.17471	7	566.54142
8	3.23750	8	84.17495	8	165.11240	8	245.47906	8	325.85256	8	406.22257	8	486.57944	8	566.94611
9	3.64219	9	84.57964	9	165.51709	9	245.88375	9	326.25725	9	406.62726	9	486.98415	9	567.35080
10	4.04687	10	84.98432	10	165.92178	10	246.28844	10	326.67194	10	407.03195	10	487.38888	10	567.75549
1	4.45156	1	85.38901	1	166.32646	1	246.68663	1	327.07663	1	407.43664	1	487.79357	1	568.16018
2	4.85625	2	85.79370	2	166.73115	2	247.09132	2	327.48132	2	407.84133	2	488.19826	2	568.56487
3	5.26093	3	86.19839	3	167.13584	3	247.49601	3	327.88601	3	408.24602	3	488.60295	3	568.96956
4	5.66562	4	86.60307	4	167.54053	4	247.90070	4	328.29070	4	408.65071	4	489.00764	4	569.37425
5	6.07031	5	87.00776	5	167.94521	5	248.30539	5	328.69539	5	409.05540	5	489.41233	5	569.77894
6	6.47500	6	87.41245	6	168.34990	6	248.71008	6	329.10008	6	409.46009	6	489.81702	6	570.18363
7	6.87968	7	87.81714	7	168.75459	7	249.11477	7	329.50477	7	409.86478	7	490.22171	7	570.58832
8	7.28437	8	88.22182	8	169.15928	8	249.51946	8	330.00946	8	410.26947	8	490.62640	8	570.99301
9	7.68906	9	88.62651	9	169.56396	9	249.92415	9	330.41415	9	410.67416	9	491.03109	9	571.39770
20	8.09375	20	89.03120	20	169.96865	20	250.32884	20	330.81884	20	411.07885	20	491.43578	20	571.80239
1	8.49843	1	89.43588	1	170.37334	1	250.73353	1	331.22353	1	411.88353	1	491.84047	1	572.20708
2	8.90312	2	89.84057	2	170.77802	2	251.13822	2	331.62822	2	412.28822	2	492.24516	2	572.61177
3	9.30781	3	90.24526	3	171.18271	3	251.54291	3	332.03291	3	412.69291	3	492.64985	3	573.01646
4	9.71250	4	90.64995	4	171.58740	4	251.94760	4	332.43760	4	413.09760	4	493.05454	4	573.42115
5	10.11718	5	91.05463	5	171.99209	5	252.35229	5	332.84229	5	413.50229	5	493.45923	5	573.82584
6	10.52187	6	91.45932	6	172.39677	6	252.75698	6	333.24698	6	413.90698	6	493.86392	6	574.23053
7	10.92656	7	91.86401	7	172.80146	7	253.16167	7	333.65167	7	414.31167	7	494.26861	7	574.63522
8	11.33124	8	92.26870	8	173.20615	8	253.56636	8	334.05636	8	414.71636	8	494.67330	8	575.03991
9	11.73593	9	92.67338	9	173.61083	9	253.97105	9	334.46105	9	415.12105	9	495.07799	9	575.44460
30	12.14062	30	93.07807	30	174.01552	30	254.37574	30	334.86574	30	415.52574	30	495.48268	30	575.84929
1	12.54531	1	93.48276	1	174.42021	1	254.78043	1	335.27043	1	415.93043	1	495.88737	1	576.25398
2	12.94999	2	93.88744	2	174.82490	2	255.18512	2	335.67512	2	416.33512	2	496.29206	2	576.65867
3	13.35468	3	94.29213	3	175.22958	3	255.58981	3	336.07981	3	416.73981	3	496.69675	3	577.06336
4	13.75937	4	94.69682	4	175.63427	4	255.99450	4	336.48450	4	417.14450	4	497.10144	4	577.46805
5	14.16405	5	95.10151	5	176.03896	5	256.39919	5	336.88919	5	417.54919	5	497.50613	5	577.87274
6	14.56874	6	95.50619	6	176.44365	6	256.80388	6	337.29388	6	417.95388	6	497.91082	6	578.27743
7	14.97343	7	95.91088	7	176.84834	7	257.20857	7	337.69857	7	418.35857	7	498.31551	7	578.68212
8	15.37812	8	96.31557	8	177.25302	8	257.61326	8	338.10326	8	418.76326	8	498.72020	8	579.08681
9	15.78280	9	96.72026	9	177.65771	9	258.01795	9	338.50795	9	419.16795	9	499.12489	9	579.49150
40	16.18749	40	97.12494	40	178.06240	40	258.42264	40	338.91264	40	419.57264	40	499.52958	40	579.89619
1	16.59218	1	97.52963	1	178.46709	1	258.82733	1	339.31733	1	420.00000	1	500.00000	1	580.30088
2	16.99687	2	97.93432	2	178.87178	2	259.23202	2	339.72202	2	420.40469	2	500.40469	2	580.70557
3	17.40155	3	98.33901	3	179.27647	3	259.63671	3	340.12671	3	420.80938	3	500.80938	3	581.11026
4	17.80624	4	98.74370	4	179.68116	4	260.04140	4	340.53140	4	421.21407	4	501.21407	4	581.51495
5	18.21093	5	99.14839	5	180.08585	5	260.44609	5	340.93609	5	421.61876	5	501.61876	5	581.91964
6	18.61562	6	99.55307	6	180.49054	6	260.85078	6	341.34078	6	422.02345	6	502.02345	6	582.32433
7	19.02031	7	99.95776	7	180.89523	7	261.25547	7	341.74547	7	422.42814	7	502.42814	7	582.72902
8	19.42500	8	100.36246	8	181.29992	8	261.66016	8	342.15016	8	422.83283	8	502.83283	8	583.13371
9	19.82969	9	100.76715	9	181.70461	9	262.06485	9	342.55485	9	423.23752	9	503.23752	9	583.53840

AREAS.—HECTARES TO ACRES.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 hectare = 2.471043830 acres.

Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.	Hectares.	Acres.
0	1	24,710.4	110	271.8143	210	518.91923	410	1,013.12801	610	1,507.33850	810	2,001.54558	910	2,248.64998	2,248.64998
1	2,471.04	111	274.28688	211	521.39027	411	1,015.59906	611	1,509.80904	811	2,004.01603	911	2,251.12102	2,251.12102	2,251.12102
2	4,942.09	112	276.75942	212	523.86131	412	1,018.07010	612	1,512.27889	812	2,006.48757	912	2,253.59106	2,253.59106	2,253.59106
3	7,413.13	113	279.23196	213	526.33235	413	1,020.54114	613	1,514.74993	813	2,008.95872	913	2,256.06111	2,256.06111	2,256.06111
4	9,884.18	114	281.69961	214	528.80340	414	1,023.01219	614	1,517.22097	814	2,011.42976	914	2,258.53115	2,258.53115	2,258.53115
5	12,355.22	115	284.17005	215	531.27444	415	1,025.48323	615	1,519.69202	815	2,013.90080	915	2,261.00200	2,261.00200	2,261.00200
6	14,826.26	116	286.64110	216	533.74549	416	1,027.95427	616	1,522.16306	816	2,016.37185	916	2,263.47294	2,263.47294	2,263.47294
7	17,297.31	117	289.11214	217	536.21653	417	1,030.42532	617	1,524.63411	817	2,018.84289	917	2,265.94398	2,265.94398	2,265.94398
8	19,768.35	118	291.58318	218	538.68758	418	1,032.89638	618	1,527.10515	818	2,021.31394	918	2,268.41493	2,268.41493	2,268.41493
9	22,239.40	119	294.05423	219	541.15862	419	1,035.36743	619	1,529.57619	819	2,023.78498	919	2,270.88597	2,270.88597	2,270.88597
10	24,710.4	120	296.52527	220	543.62966	420	1,037.83845	620	1,532.04724	820	2,026.25602	920	2,273.35691	2,273.35691	2,273.35691
11	27,181.48	121	298.99632	221	546.10071	421	1,040.30949	621	1,534.51828	821	2,028.72707	921	2,275.82786	2,275.82786	2,275.82786
12	29,652.53	122	301.46736	222	548.57175	422	1,042.78054	622	1,536.98932	822	2,031.19811	922	2,278.29881	2,278.29881	2,278.29881
13	32,123.57	123	303.93840	223	551.04280	423	1,045.25158	623	1,539.46036	823	2,033.66915	923	2,280.76976	2,280.76976	2,280.76976
14	34,594.62	124	306.40945	224	553.51384	424	1,047.72263	624	1,541.93141	824	2,036.14020	924	2,283.24071	2,283.24071	2,283.24071
15	37,065.66	125	308.88049	225	555.98488	425	1,050.19367	625	1,544.40246	825	2,038.61124	925	2,285.71166	2,285.71166	2,285.71166
16	39,536.71	126	311.35154	226	558.45593	426	1,052.66471	626	1,546.87351	826	2,041.08229	926	2,288.18261	2,288.18261	2,288.18261
17	42,007.75	127	313.82258	227	560.92697	427	1,055.13576	627	1,549.34456	827	2,043.55333	927	2,290.65356	2,290.65356	2,290.65356
18	44,478.79	128	316.29363	228	563.39802	428	1,057.60681	628	1,551.81561	828	2,046.02437	928	2,293.12451	2,293.12451	2,293.12451
19	46,949.83	129	318.76467	229	565.86906	429	1,060.07786	629	1,554.28666	829	2,048.49542	929	2,295.59546	2,295.59546	2,295.59546
20	49,420.88	130	321.23571	230	568.34010	430	1,062.54890	630	1,556.75768	830	2,050.96646	930	2,298.06641	2,298.06641	2,298.06641
21	51,891.92	131	323.70675	231	570.81115	431	1,065.02004	631	1,559.22872	831	2,053.43751	931	2,300.53736	2,300.53736	2,300.53736
22	54,362.97	132	326.17780	232	573.28220	432	1,067.49108	632	1,561.69976	832	2,055.90855	932	2,303.00831	2,303.00831	2,303.00831
23	56,834.01	133	328.64884	233	575.75324	433	1,069.96212	633	1,564.17081	833	2,058.37959	933	2,305.47926	2,305.47926	2,305.47926
24	59,305.06	134	331.11989	234	578.22428	434	1,072.43317	634	1,566.64186	834	2,060.85064	934	2,307.95021	2,307.95021	2,307.95021
25	61,776.10	135	333.59093	235	580.69532	435	1,074.90421	635	1,569.11290	835	2,063.32168	935	2,310.42116	2,310.42116	2,310.42116
26	64,247.14	136	336.06197	236	583.16637	436	1,077.37525	636	1,571.58394	836	2,065.79273	936	2,312.89211	2,312.89211	2,312.89211
27	66,718.19	137	338.53302	237	585.63741	437	1,079.84629	637	1,574.05498	837	2,068.26377	937	2,315.36306	2,315.36306	2,315.36306
28	69,189.23	138	341.00406	238	588.10846	438	1,082.31734	638	1,576.52603	838	2,070.73481	938	2,317.83401	2,317.83401	2,317.83401
29	71,660.27	139	343.47511	239	590.57950	439	1,084.78829	639	1,578.99707	839	2,073.20586	939	2,320.30496	2,320.30496	2,320.30496
30	74,131.32	140	345.94615	240	593.05054	440	1,087.25933	640	1,581.46812	840	2,075.67691	940	2,322.77591	2,322.77591	2,322.77591
31	76,602.36	141	348.41719	241	595.52158	441	1,089.73037	641	1,583.93916	841	2,078.14796	941	2,325.24686	2,325.24686	2,325.24686
32	79,073.41	142	350.88824	242	597.99262	442	1,092.20142	642	1,586.41020	842	2,080.61901	942	2,327.71781	2,327.71781	2,327.71781
33	81,544.45	143	353.35928	243	600.46366	443	1,094.67246	643	1,588.88125	843	2,083.09006	943	2,330.18876	2,330.18876	2,330.18876
34	84,015.50	144	355.83033	244	602.93470	444	1,097.14350	644	1,591.35229	844	2,085.56110	944	2,332.65971	2,332.65971	2,332.65971
35	86,486.54	145	358.30137	245	605.40574	445	1,099.61455	645	1,593.82334	845	2,088.03215	945	2,335.13066	2,335.13066	2,335.13066
36	88,957.58	146	360.77241	246	607.87678	446	1,102.08559	646	1,596.29438	846	2,090.50320	946	2,337.60161	2,337.60161	2,337.60161
37	91,428.63	147	363.24345	247	610.34782	447	1,104.55664	647	1,598.76542	847	2,092.97425	947	2,340.07256	2,340.07256	2,340.07256
38	93,899.67	148	365.71449	248	612.81886	448	1,107.02768	648	1,601.23647	848	2,095.44529	948	2,342.54351	2,342.54351	2,342.54351
39	96,370.71	149	368.18553	249	615.28990	449	1,109.49872	649	1,603.70751	849	2,097.91636	949	2,345.01446	2,345.01446	2,345.01446

50	123, 65220	150	370, 66359	250	617, 76098	350	824, 86538	450	1, 111, 96977	550	1, 859, 07416	650	1, 600, 17856	750	1, 853, 28285	850	2, 100, 38734	950	2, 347, 49173
1	126, 02924	1	373, 12763	1	620, 28203	1	867, 33642	1	1, 114, 44081	1	1, 881, 54521	1	1, 605, 64980	1	1, 856, 75890	1	2, 102, 85838	1	2, 349, 96278
2	138, 49428	2	376, 08972	2	622, 70507	2	869, 80746	2	1, 116, 91186	2	1, 886, 01625	2	1, 611, 12064	2	1, 858, 22504	2	2, 105, 32943	2	2, 352, 43332
3	130, 96533	3	378, 09678	3	625, 17411	3	872, 78761	3	1, 119, 38290	3	1, 886, 48729	3	1, 613, 59169	3	1, 860, 69088	3	2, 107, 80047	3	2, 354, 90487
4	133, 43637	4	380, 54077	4	627, 64516	4	874, 74956	4	1, 121, 85894	4	1, 888, 95834	4	1, 616, 06273	4	1, 863, 16712	4	2, 110, 27152	4	2, 357, 37591
5	135, 90742	5	383, 01191	5	630, 11620	5	877, 22060	5	1, 124, 32499	5	1, 891, 42938	5	1, 618, 53377	5	1, 865, 63817	5	2, 112, 74256	5	2, 359, 84695
6	138, 37846	6	385, 42925	6	632, 87161	6	879, 09161	6	1, 126, 79603	6	1, 893, 90043	6	1, 621, 00482	6	1, 868, 10921	6	2, 115, 21380	6	2, 362, 31805
7	140, 84938	7	387, 95390	7	635, 06829	7	882, 16208	7	1, 129, 26708	7	1, 896, 37147	7	1, 623, 47586	7	1, 870, 68025	7	2, 117, 63485	7	2, 364, 78904
8	143, 32065	8	390, 42194	8	638, 62983	8	884, 88878	8	1, 131, 78812	8	1, 898, 84251	8	1, 625, 94091	8	1, 873, 05130	8	2, 120, 15689	8	2, 367, 26069
9	145, 70159	9	392, 69598	9	640, 00088	9	887, 10477	9	1, 134, 20916	9	1, 891, 31356	9	1, 628, 41795	9	1, 875, 52234	9	2, 122, 62674	9	2, 369, 73113
60	148, 26264	160	395, 38703	260	642, 47142	360	889, 57681	460	1, 136, 68021	560	1, 883, 78460	660	1, 630, 88899	760	1, 877, 99339	860	2, 125, 09778	960	2, 372, 20217
1	170, 73368	1	397, 88071	1	644, 94247	1	892, 04866	1	1, 139, 15126	1	1, 885, 25564	1	1, 633, 38004	1	1, 880, 46443	1	2, 127, 56852	1	2, 374, 67322
2	153, 20472	2	400, 30912	2	647, 41351	2	894, 51790	2	1, 141, 62230	2	1, 888, 72669	2	1, 635, 83108	2	1, 882, 93547	2	2, 130, 03887	2	2, 377, 14426
3	165, 67577	3	402, 78016	3	649, 88455	3	896, 98455	3	1, 144, 09834	3	1, 891, 19773	3	1, 638, 30213	3	1, 885, 40652	3	2, 132, 51091	3	2, 379, 61580
4	158, 14681	4	405, 25120	4	652, 35560	4	899, 45999	4	1, 146, 56438	4	1, 893, 66878	4	1, 640, 77317	4	1, 887, 87756	4	2, 134, 98196	4	2, 382, 08636
5	160, 61786	5	407, 72225	5	654, 82664	5	901, 93103	5	1, 149, 03543	5	1, 896, 13962	5	1, 643, 24421	5	1, 890, 34881	5	2, 137, 45300	5	2, 384, 55739
6	163, 08890	6	410, 19329	6	657, 28769	6	904, 40208	6	1, 151, 50647	6	1, 898, 61086	6	1, 645, 71626	6	1, 892, 81966	6	2, 139, 92404	6	2, 387, 02844
7	165, 58994	7	412, 66434	7	659, 76873	7	906, 87312	7	1, 153, 97752	7	1, 401, 08191	7	1, 648, 18630	7	1, 895, 29069	7	2, 142, 39509	7	2, 389, 49848
8	168, 00909	8	416, 13538	8	662, 23977	8	908, 34417	8	1, 156, 44856	8	1, 403, 55295	8	1, 650, 65735	8	1, 897, 76174	8	2, 144, 86513	8	2, 391, 97052
9	170, 50203	9	417, 60642	9	664, 71082	9	911, 81621	9	1, 158, 91960	9	1, 406, 02400	9	1, 653, 12839	9	1, 900, 29278	9	2, 147, 33718	9	2, 394, 44157
70	172, 97308	170	420, 07747	270	667, 18186	370	914, 28625	470	1, 161, 39005	570	1, 408, 49504	670	1, 655, 69843	770	1, 902, 70383	870	2, 149, 80822	970	2, 396, 91261
1	175, 44412	1	422, 54851	1	669, 65291	1	916, 75730	1	1, 163, 86169	1	1, 410, 96608	1	1, 658, 07048	1	1, 905, 17487	1	2, 152, 27926	1	2, 399, 38366
2	177, 91516	2	425, 01956	2	672, 12385	2	919, 22834	2	1, 166, 33273	2	1, 413, 43713	2	1, 660, 54152	2	1, 907, 64591	2	2, 154, 75031	2	2, 401, 85470
3	180, 38621	3	427, 49060	3	674, 59499	3	921, 69939	3	1, 168, 80378	3	1, 415, 90817	3	1, 663, 01257	3	1, 910, 11696	3	2, 157, 22136	3	2, 404, 32574
4	182, 85725	4	429, 96164	4	677, 06604	4	924, 17043	4	1, 171, 27482	4	1, 418, 37922	4	1, 665, 45361	4	1, 912, 58800	4	2, 159, 69240	4	2, 406, 79679
5	185, 32829	5	432, 42269	5	679, 53708	5	926, 64147	5	1, 173, 74587	5	1, 420, 85026	5	1, 687, 95466	5	1, 915, 05905	5	2, 162, 16344	5	2, 409, 26783
6	187, 79934	6	434, 90373	6	682, 00812	6	929, 11252	6	1, 176, 21091	6	1, 423, 32180	6	1, 670, 42570	6	1, 917, 53009	6	2, 164, 63448	6	2, 411, 73888
7	190, 27038	7	437, 37478	7	684, 47917	7	931, 58356	7	1, 178, 68795	7	1, 425, 79235	7	1, 672, 89674	7	1, 920, 00113	7	2, 167, 10553	7	2, 414, 20992
8	192, 74143	8	439, 84582	8	686, 95021	8	934, 05461	8	1, 181, 15900	8	1, 428, 26339	8	1, 675, 36778	8	1, 922, 47218	8	2, 169, 57657	8	2, 416, 68096
9	195, 21247	9	442, 31686	9	689, 42126	9	936, 52565	9	1, 183, 63004	9	1, 430, 73444	9	1, 677, 83883	9	1, 924, 94392	9	2, 172, 04761	9	2, 419, 15201
80	197, 68351	180	444, 78791	280	691, 89230	380	938, 99669	480	1, 186, 10109	580	1, 433, 20548	680	1, 680, 30987	780	1, 927, 41427	880	2, 174, 51866	980	2, 421, 62305
1	200, 15456	1	447, 25895	1	694, 36331	1	941, 45774	1	1, 188, 57213	1	1, 435, 67652	1	1, 682, 78092	1	1, 929, 88531	1	2, 176, 98970	1	2, 424, 09410
2	202, 62560	2	449, 73000	2	696, 83439	2	943, 93878	2	1, 191, 04317	2	1, 438, 14757	2	1, 685, 25196	2	1, 932, 35635	2	2, 179, 46075	2	2, 426, 56514
3	205, 09665	3	452, 20104	3	699, 30543	3	946, 40983	3	1, 193, 51422	3	1, 440, 61861	3	1, 687, 72300	3	1, 934, 82740	3	2, 181, 93179	3	2, 429, 03618
4	207, 56769	4	454, 67208	4	701, 77648	4	948, 88087	4	1, 195, 98526	4	1, 443, 08968	4	1, 690, 19405	4	1, 937, 09844	4	2, 184, 40283	4	2, 431, 50723
5	210, 03873	5	457, 14313	5	704, 24752	5	951, 35191	5	1, 198, 45631	5	1, 445, 56070	5	1, 692, 66509	5	1, 939, 76949	5	2, 186, 87388	5	2, 433, 97827
6	212, 50978	6	459, 61417	6	706, 71856	6	953, 82296	6	1, 200, 92735	6	1, 448, 03174	6	1, 695, 13614	6	1, 942, 24053	6	2, 189, 34492	6	2, 436, 44932
7	214, 98082	7	462, 08521	7	709, 18961	7	956, 29400	7	1, 203, 39839	7	1, 450, 50279	7	1, 697, 60718	7	1, 944, 71157	7	2, 191, 81597	7	2, 438, 92036
8	217, 45187	8	464, 55626	8	711, 66065	8	958, 76504	8	1, 205, 86944	8	1, 452, 97383	8	1, 700, 07822	8	1, 947, 18262	8	2, 194, 28701	8	2, 441, 39140
9	219, 92291	9	467, 02730	9	714, 13170	9	961, 23609	9	1, 208, 34048	9	1, 455, 44457	9	1, 702, 54949	9	1, 949, 65366	9	2, 196, 75805	9	2, 443, 86245
90	222, 39395	190	469, 49885	290	716, 60274	390	963, 70713	490	1, 210, 81153	590	1, 457, 91592	690	1, 705, 02031	790	1, 952, 12471	890	2, 199, 22910	990	2, 446, 33349
1	224, 86500	1	471, 98939	1	719, 07378	1	966, 17818	1	1, 213, 28257	1	1, 460, 38096	1	1, 707, 49136	1	1, 954, 59576	1	2, 201, 70014	1	2, 448, 80454
2	227, 33604	2	474, 44043	2	721, 54483	2	968, 64922	2	1, 215, 75361	2	1, 462, 85801	2	1, 709, 96240	2	1, 957, 06679	2	2, 204, 17119	2	2, 451, 27558
3	229, 80709	3	476, 91148	3	724, 01587	3	971, 12026	3	1, 218, 22466	3	1, 465, 32905	3	1, 712, 43344	3	1, 959, 53784	3	2, 206, 64223	3	2, 453, 74682
4	232, 27813	4	479, 35252	4	726, 48692	4	973, 59131	4	1, 220, 69570	4	1, 467, 80009	4	1, 714, 90449	4	1, 962, 09888	4	2, 209, 11327	4	2, 456, 21767
5	234, 74917	5	481, 85587	5	728, 95796	5	976, 06235	5	1, 223, 16675	5	1, 470, 27114	5	1, 717, 37563	5	1, 964, 47992	5	2, 211, 58432	5	2, 458, 68871
6	237, 22022	6	484, 32451	6	731, 42900	6	978, 53340	6	1, 225, 63779	6	1, 472, 74218	6	1, 719, 54658	6	1, 966, 95097	6	2, 214, 05536	6	2, 461, 15975
7	239, 69125	7	486, 79565	7	733, 90005	7	981, 00444	7	1, 228, 10883	7	1, 475, 21323	7	1, 722, 31762	7	1, 969, 42201	7	2, 216, 52641	7	2, 463, 63080
8	242, 16231	8	489, 26670	8	736, 37100	8	983, 47688	8	1, 230, 57888	8	1, 477, 62427	8	1, 724, 78866	8	1, 971, 89306	8	2, 218, 99745	8	2, 466, 10184
9	244, 63335	9	491, 73774	9	738, 84204	9	985, 14533	9	1, 233, 05062	9	1, 480, 15531	9	1, 727, 25971	9	1, 974, 36410	9	2, 221, 46549	9	2, 468, 57289

VOLUMES.—CUBIC YARDS TO CUBIC METERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 cubic yard = 0.7645549453 cubic meters.

Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.	Cubic yards.	Cubic meters.
0	0.764559	100	76.4559	200	152.9118	300	229.3678	400	305.8237	500	382.2797	600	458.7357	700	535.1916	800	611.6475	900	688.1035
1	77.22050	1	77.22050	1	153.67645	1	230.19239	1	306.68934	1	383.04433	1	459.50023	1	535.95517	1	612.41212	1	688.86806
2	77.98606	2	77.98606	2	154.44101	2	230.89695	2	307.35290	2	383.80884	2	460.20479	2	536.72073	2	613.17668	2	689.63262
3	78.75162	3	78.75162	3	155.20557	3	231.60351	3	308.05945	3	384.57340	3	460.91235	3	537.48259	3	613.94123	3	690.39718
4	79.51718	4	79.51718	4	155.97013	4	232.35907	4	308.82002	4	385.33796	4	461.67890	4	538.24965	4	614.70579	4	691.16174
5	80.28274	5	80.28274	5	156.73469	5	233.11463	5	309.58058	5	386.10252	5	462.43846	5	539.01141	5	615.47035	5	691.92630
6	81.04830	6	81.04830	6	157.49925	6	233.86519	6	310.34113	6	386.86708	6	463.19892	6	539.77897	6	616.23491	6	692.69086
7	81.81386	7	81.81386	7	158.26381	7	234.61975	7	311.10169	7	387.63164	7	463.95848	7	540.54653	7	616.99947	7	693.45542
8	82.57942	8	82.57942	8	159.02836	8	235.38431	8	311.85214	8	388.39620	8	464.71892	8	541.30808	8	617.76403	8	694.21998
9	83.34498	9	83.34498	9	159.79291	9	236.14887	9	312.60461	9	389.16006	9	465.47940	9	542.06851	9	618.52859	9	694.98454
10	84.11054	10	84.11054	10	160.55748	10	236.91344	10	313.35714	10	389.92121	10	466.23983	10	542.82894	10	619.28808	10	695.74910
11	84.87610	11	84.87610	11	161.32204	11	237.67799	11	314.10963	11	390.68298	11	467.00032	11	543.58937	11	620.04762	11	696.51365
12	85.64166	12	85.64166	12	162.08660	12	238.44255	12	314.86212	12	391.44444	12	467.76181	12	544.34986	12	620.80811	12	697.27812
13	86.40722	13	86.40722	13	162.85116	13	239.20502	13	315.61461	13	392.20635	13	468.52330	13	545.11035	13	621.56860	13	698.04260
14	87.17278	14	87.17278	14	163.61572	14	240.07167	14	316.36710	14	392.96768	14	469.28379	14	545.87084	14	622.32909	14	698.80713
15	87.93834	15	87.93834	15	164.38028	15	240.83623	15	317.11961	15	393.72901	15	470.04428	15	546.63133	15	623.08958	15	699.57169
16	88.70390	16	88.70390	16	165.14484	16	241.60078	16	317.87210	16	394.49032	16	470.80477	16	547.39182	16	623.85007	16	700.33625
17	89.46946	17	89.46946	17	165.90940	17	242.36534	17	318.62459	17	395.24681	17	471.56526	17	548.15231	17	624.61057	17	701.10081
18	90.23502	18	90.23502	18	166.67396	18	243.12990	18	319.37708	18	396.00828	18	472.32575	18	548.91280	18	625.37106	18	701.86137
19	91.00058	19	91.00058	19	167.43852	19	243.89446	19	320.13051	19	396.76975	19	473.08624	19	549.67329	19	626.13155	19	702.62193
20	91.76614	20	91.76614	20	168.20308	20	244.65902	20	320.88294	20	397.53101	20	473.84673	20	550.43378	20	626.89204	20	703.38249
21	92.53170	21	92.53170	21	168.96764	21	245.42358	21	321.63537	21	398.29149	21	474.60722	21	551.19427	21	627.65253	21	704.14305
22	93.29726	22	93.29726	22	169.73220	22	246.18814	22	322.38784	22	399.05198	22	475.36771	22	551.95476	22	628.41302	22	704.90361
23	94.06282	23	94.06282	23	170.49676	23	246.95270	23	323.14030	23	399.81247	23	476.12820	23	552.71525	23	629.17351	23	705.66417
24	94.82838	24	94.82838	24	171.26132	24	247.71726	24	323.89276	24	400.57295	24	476.88869	24	553.47600	24	630.00000	24	706.42473
25	95.59394	25	95.59394	25	172.02588	25	248.48182	25	324.64521	25	401.33344	25	477.64918	25	554.23649	25	630.76049	25	707.18529
26	96.35950	26	96.35950	26	172.79044	26	249.24638	26	325.39767	26	402.09393	26	478.40967	26	555.00000	26	631.52100	26	707.94585
27	97.12506	27	97.12506	27	173.55500	27	250.01094	27	326.15013	27	402.84638	27	479.17016	27	555.76049	27	632.28151	27	708.70641
28	97.89062	28	97.89062	28	174.31956	28	250.77550	28	326.90259	28	403.59883	28	480.00000	28	556.52098	28	633.04202	28	709.46697
29	98.65618	29	98.65618	29	175.08411	29	251.54096	29	327.65505	29	404.35130	29	480.76049	29	557.28147	29	633.80253	29	710.22753
30	99.42174	30	99.42174	30	175.84867	30	252.30642	30	328.40751	30	405.10379	30	481.52098	30	558.04197	30	634.56304	30	710.98809
31	100.18730	31	100.18730	31	176.61323	31	253.07188	31	329.15997	31	405.85625	31	482.28147	31	558.80246	31	635.32355	31	711.74865
32	100.95286	32	100.95286	32	177.37779	32	253.83734	32	329.91243	32	406.60871	32	483.04196	32	559.56295	32	636.08406	32	712.50921
33	101.71842	33	101.71842	33	178.14235	33	254.60280	33	330.66489	33	407.36118	33	483.80245	33	560.32344	33	636.84457	33	713.26977
34	102.48398	34	102.48398	34	178.90691	34	255.36825	34	331.41736	34	408.11364	34	484.56294	34	561.08393	34	637.60508	34	714.03033
35	103.24954	35	103.24954	35	179.67147	35	256.13370	35	332.17281	35	408.86610	35	485.32343	35	561.84442	35	638.36559	35	714.79089
36	104.01510	36	104.01510	36	180.43603	36	256.89915	36	332.92826	36	409.61857	36	486.08392	36	562.60491	36	639.12610	36	715.55145
37	104.78066	37	104.78066	37	181.19656	37	257.66460	37	333.68371	37	410.37102	37	486.84441	37	563.36540	37	639.88661	37	716.31201
38	105.54622	38	105.54622	38	181.95709	38	258.43005	38	334.43916	38	411.12347	38	487.60490	38	564.12589	38	640.64712	38	717.07257
39	106.31178	39	106.31178	39	182.71762	39	259.19550	39	335.19461	39	411.87592	39	488.36539	39	564.88738	39	641.40763	39	717.83313
40	107.07734	40	107.07734	40	183.47815	40	259.96095	40	335.95006	40	412.62837	40	489.12588	40	565.64787	40	642.16814	40	718.59369
41	107.84290	41	107.84290	41	184.23868	41	260.72640	41	336.70551	41	413.38082	41	489.88637	41	566.40836	41	642.92865	41	719.35425
42	108.60846	42	108.60846	42	185.00000	42	261.49185	42	337.46096	42	414.13327	42	490.64686	42	567.16885	42	643.68916	42	720.11481
43	109.37402	43	109.37402	43	185.76053	43	262.25729	43	338.21641	43	414.88572	43	491.40735	43	567.92934	43	644.44967	43	720.87537
44	110.13958	44	110.13958	44	186.52106	44	263.02274	44	338.97186	44	415.63819	44	492.16784	44	568.68983	44	645.21018	44	721.63593
45	110.90514	45	110.90514	45	187.28159	45	263.78819	45	339.72731	45	416.38964	45	492.92833	45	569.45032	45	645.97069	45	722.39649
46	111.67070	46	111.67070	46	188.04212	46	264.55364	46	340.48276	46	417.14109	46	493.68882	46	570.21081	46	646.73120	46	723.15705
47	112.43626	47	112.43626	47	188.80265	47	265.31909	47	341.23821	47	417.89354	47	494.44831	47	570.97132	47	647.49171	47	723.91761
48	113.20182	48	113.20182	48	189.56318	48	266.08454	48	341.99366	48	418.64599	48	495.20880	48	571.73183	48	648.25222	48	724.67817
49	113.96738	49	113.96738	49	190.32371	49	266.84999	49	342.74911	49	419.40144	49	495.96929	49	572.49234	49	649.01273	49	725.43873

50	38, 22707 1 115, 48488 2 116, 21760 3 117, 74215 4 118, 50671 5 119, 27127 6 120, 03583 7 121, 60039 8 122, 16495 9 123, 72951	150	114, 63392 1 115, 48488 2 116, 21760 3 117, 74215 4 118, 50671 5 119, 27127 6 120, 03583 7 121, 60039 8 122, 16495 9 123, 72951	250	191, 13986 1 191, 04412 2 192, 68688 3 193, 43354 4 194, 18010 5 194, 92666 6 195, 67322 7 196, 41978 8 197, 16634 9 197, 91290	350	267, 50681 1 268, 30087 2 269, 12492 3 269, 88948 4 270, 65404 5 271, 41860 6 272, 18316 7 272, 94772 8 273, 71228 9 274, 47684	450	344, 05175 1 344, 81631 2 345, 58087 3 346, 34543 4 347, 10999 5 347, 87455 6 348, 63911 7 349, 40367 8 350, 16823 9 350, 93279	550	420, 50769 1 421, 27225 2 422, 03681 3 422, 80137 4 423, 56593 5 424, 33049 6 425, 09505 7 425, 85961 8 426, 62417 9 427, 38873	650	498, 96584 1 497, 72820 2 498, 49056 3 499, 25292 4 500, 01528 5 500, 77864 6 501, 54100 7 502, 30336 8 503, 06572 9 503, 82808	750	573, 41958 1 574, 18414 2 574, 94870 3 575, 71326 4 576, 47782 5 577, 24238 6 578, 00694 7 578, 77150 8 579, 53606 9 580, 30062	850	649, 87553 1 650, 64009 2 651, 40465 3 652, 16921 4 652, 93377 5 653, 69833 6 654, 46289 7 655, 22744 8 655, 99200 9 656, 75656	950	726, 93147 1 727, 69603 2 728, 46059 3 729, 22515 4 729, 98971 5 730, 75427 6 731, 51883 7 732, 28339 8 733, 04795 9 733, 81251
60	45, 87337 1 123, 09407 2 123, 85863 3 124, 62319 4 125, 38775 5 126, 15231 6 126, 91687 7 127, 68143 8 128, 44599 9 129, 21055	160	122, 32951 1 123, 09407 2 123, 85863 3 124, 62319 4 125, 38775 5 126, 15231 6 126, 91687 7 127, 68143 8 128, 44599 9 129, 21055	260	198, 75546 1 199, 50002 2 200, 24458 3 201, 00014 4 201, 75569 5 202, 51125 6 203, 26681 7 204, 02237 8 204, 77793 9 205, 53349	360	275, 24140 1 276, 00596 2 276, 77152 3 277, 53708 4 278, 30264 5 279, 06820 6 279, 83376 7 280, 59932 8 281, 36488 9 282, 13044	460	351, 69734 1 352, 46190 2 353, 22646 3 353, 99102 4 354, 75558 5 355, 52014 6 356, 28470 7 357, 04926 8 357, 81382 9 358, 57838	560	428, 15329 1 428, 91785 2 429, 68241 3 430, 44697 4 431, 21153 5 431, 97609 6 432, 74065 7 433, 50521 8 434, 26976 9 435, 03432	660	504, 00923 1 504, 77379 2 505, 53835 3 506, 30291 4 507, 06747 5 507, 83203 6 508, 59659 7 509, 36115 8 510, 12571 9 510, 89027	760	581, 06518 1 581, 82974 2 582, 59430 3 583, 35886 4 584, 12342 5 584, 88798 6 585, 65254 7 586, 41709 8 587, 18165 9 587, 94621	860	657, 52112 1 658, 28568 2 659, 05024 3 659, 81480 4 660, 57936 5 661, 34392 6 662, 10848 7 662, 87304 8 663, 63760 9 664, 40216	960	733, 97707 1 734, 74163 2 735, 50619 3 736, 27075 4 737, 03531 5 737, 79986 6 738, 56442 7 739, 32898 8 740, 09354 9 740, 85810
70	53, 51916 1 130, 73967 2 131, 50422 3 132, 26878 4 133, 03334 5 133, 79790 6 134, 56246 7 135, 32702 8 136, 09158 9 136, 85614	170	129, 97511 1 130, 73967 2 131, 50422 3 132, 26878 4 133, 03334 5 133, 79790 6 134, 56246 7 135, 32702 8 136, 09158 9 136, 85614	270	206, 43105 1 207, 19561 2 207, 96017 3 208, 72473 4 209, 48929 5 210, 25385 6 211, 01841 7 211, 78297 8 212, 54753 9 213, 31209	370	283, 88699 1 284, 65155 2 285, 41611 3 286, 18067 4 286, 94523 5 287, 70979 6 288, 47435 7 289, 23891 8 289, 00347 9 289, 76803	470	359, 34294 1 360, 10750 2 360, 87206 3 361, 63662 4 362, 40118 5 363, 16574 6 363, 93030 7 364, 69486 8 365, 45941 9 366, 22397	570	435, 79885 1 436, 56341 2 437, 32797 3 438, 09253 4 438, 85709 5 439, 62165 6 440, 38621 7 441, 15077 8 441, 91533 9 442, 67989	670	512, 25483 1 513, 01939 2 513, 78395 3 514, 54851 4 515, 31307 5 516, 07763 6 516, 84219 7 517, 60674 8 518, 37130 9 519, 13586	770	588, 71077 1 589, 47533 2 590, 23989 3 591, 00445 4 591, 76901 5 592, 53357 6 593, 29813 7 594, 06269 8 594, 82725 9 595, 59181	870	665, 16672 1 666, 93128 2 667, 69584 3 668, 46040 4 669, 22496 5 669, 98951 6 670, 75407 7 671, 51863 8 672, 28319 9 673, 04775	970	741, 62266 1 742, 38722 2 743, 15178 3 743, 91634 4 744, 68090 5 745, 44546 6 746, 21002 7 746, 97458 8 747, 73914 9 748, 50370
80	61, 16476 1 128, 38526 2 129, 14982 3 130, 91438 4 131, 67894 5 141, 44350 6 142, 20806 7 142, 97262 8 143, 73718 9 144, 50174	180	137, 62070 1 138, 38526 2 139, 14982 3 139, 91438 4 140, 67894 5 141, 44350 6 142, 20806 7 142, 97262 8 143, 73718 9 144, 50174	280	214, 07664 1 214, 84120 2 215, 60576 3 216, 37032 4 217, 13488 5 217, 89944 6 218, 66400 7 219, 42856 8 220, 19312 9 220, 95768	380	290, 53259 1 291, 29715 2 292, 06171 3 292, 82627 4 293, 59083 5 294, 35539 6 295, 11995 7 295, 88451 8 296, 64906 9 297, 41362	480	366, 98533 1 367, 75089 2 368, 51645 3 369, 28201 4 370, 04757 5 370, 81313 6 371, 57869 7 372, 34425 8 373, 10981 9 373, 87537	580	443, 44448 1 444, 20904 2 444, 97360 3 445, 73816 4 446, 50272 5 447, 26728 6 448, 03184 7 448, 79639 8 449, 56095 9 450, 32551	680	519, 90042 1 520, 66498 2 521, 42954 3 522, 19410 4 522, 95866 5 523, 72322 6 524, 48778 7 525, 25234 8 526, 01690 9 526, 78146	780	596, 35637 1 597, 12093 2 597, 88549 3 598, 65005 4 599, 41461 5 600, 17916 6 600, 94372 7 601, 70828 8 602, 47284 9 603, 23740	880	672, 81231 1 673, 57687 2 674, 34143 3 675, 10599 4 675, 87055 5 676, 63511 6 677, 39967 7 678, 16423 8 678, 92879 9 679, 69335	980	749, 26826 1 750, 03282 2 750, 79738 3 751, 56193 4 752, 32649 5 753, 09105 6 753, 85561 7 754, 62017 8 755, 38473 9 756, 14929
90	68, 81035 1 146, 08085 2 146, 79541 3 147, 50997 4 148, 32453 5 149, 08909 6 149, 85365 7 150, 61821 8 151, 38277 9 152, 14733	190	145, 26629 1 146, 08085 2 146, 79541 3 147, 50997 4 148, 32453 5 149, 08909 6 149, 85365 7 150, 61821 8 151, 38277 9 152, 14733	290	221, 72224 1 222, 48680 2 223, 25136 3 224, 01592 4 224, 78048 5 225, 54504 6 226, 30960 7 227, 07416 8 227, 83872 9 228, 60327	390	298, 17818 1 299, 94274 2 300, 70730 3 301, 47186 4 302, 23642 5 303, 00098 6 303, 76554 7 304, 53010 8 305, 29466 9 306, 05922	490	374, 63413 1 375, 39869 2 376, 16325 3 376, 92781 4 377, 69237 5 378, 45693 6 379, 22149 7 380, 98604 8 381, 75060 9 382, 51516	590	451, 09007 1 451, 85463 2 452, 61919 3 453, 38375 4 454, 14831 5 454, 91287 6 455, 67743 7 456, 44199 8 457, 20655 9 457, 97111	690	527, 54602 1 528, 31058 2 529, 07514 3 529, 83970 4 530, 60426 5 531, 36881 6 532, 13337 7 532, 89793 8 533, 66249 9 534, 42705	790	604, 00196 1 604, 76652 2 605, 53108 3 606, 29564 4 607, 06020 5 607, 82476 6 608, 58932 7 609, 35388 8 610, 11844 9 610, 88300	890	680, 45791 1 681, 22247 2 681, 98703 3 682, 75158 4 683, 51614 5 684, 28070 6 685, 04526 7 685, 80982 8 686, 57438 9 687, 33894	990	756, 91385 1 757, 67841 2 758, 44297 3 759, 20753 4 759, 97209 5 760, 73665 6 761, 50121 7 762, 26577 8 763, 03033 9 763, 79489

FROM 1 TO 1,000 UNITS.

24

50	65, 39714 1 197, 49396 2 198, 50730 3 200, 11524 4 201, 42319 5 202, 73113 6 204, 03907 7 205, 54702 8 206, 65496 9 207, 96290	250	326, 98569 1 328, 20364 2 329, 60163 3 330, 90652 4 332, 21746 5 333, 52541 6 334, 83336 7 336, 14129 8 337, 44924 9 338, 75718	350	497, 77597 1 499, 08791 2 500, 39586 3 501, 70380 4 503, 01174 5 504, 31968 6 505, 62763 7 506, 93557 8 508, 24351 9 509, 55146	450	588, 57425 1 589, 88219 2 591, 19013 3 592, 49808 4 593, 80602 5 595, 11396 6 596, 42190 7 597, 72985 8 599, 03779 9 600, 34573	550	719, 30852 1 720, 61647 2 721, 92441 3 723, 23235 4 724, 54030 5 725, 84824 6 727, 15618 7 728, 46412 8 729, 77207 9 731, 08001	650	850, 10280 1 851, 41074 2 852, 71869 3 854, 02663 4 855, 33457 5 856, 64252 6 857, 95046 7 859, 25840 8 860, 56634 9 861, 87428	750	980, 95708 1 982, 26502 2 983, 57296 3 984, 88091 4 986, 18885 5 987, 49679 6 988, 80474 7 990, 11268 8 991, 42062 9 992, 72856	850	1, 111, 75136 1 1, 113, 05990 2 1, 114, 36724 3 1, 115, 67418 4 1, 116, 98313 5 1, 118, 29107 6 1, 119, 59901 7 1, 120, 90696 8 1, 122, 21490 9 1, 123, 52284	950	1, 242, 64563 1 1, 243, 85358 2 1, 245, 16152 3 1, 246, 46946 4 1, 247, 77740 5 1, 249, 08535 6 1, 250, 39329 7 1, 251, 70123 8 1, 253, 00918 9 1, 254, 31712
60	78, 47657 1 79, 78451 2 81, 09245 3 82, 40039 4 83, 70833 5 85, 01628 6 86, 32422 7 87, 63217 8 88, 94011 9 90, 24805	260	340, 06512 1 341, 37306 2 342, 68101 3 343, 98895 4 345, 29689 5 346, 60483 6 347, 91278 7 349, 22072 8 350, 52866 9 351, 83661	360	470, 85940 1 472, 16734 2 473, 47528 3 474, 78323 4 476, 09117 5 477, 39911 6 478, 70705 7 480, 01500 8 481, 32294 9 482, 63088	460	601, 65368 1 602, 96162 2 604, 26956 3 605, 57750 4 606, 88545 5 608, 19339 6 609, 50133 7 610, 80927 8 612, 11722 9 613, 42516	560	732, 44795 1 733, 75590 2 735, 06384 3 736, 37178 4 737, 67972 5 738, 98767 6 740, 29561 7 741, 60355 8 742, 91149 9 744, 21944	660	863, 24223 1 864, 55017 2 865, 85812 3 867, 16606 4 868, 47400 5 869, 78194 6 871, 08989 7 872, 39783 8 873, 70577 9 875, 01371	760	994, 03651 1 995, 34445 2 996, 65239 3 997, 96034 4 999, 26828 5 1, 000, 57622 6 1, 001, 88416 7 1, 003, 19211 8 1, 004, 50005 9 1, 005, 80799	860	1, 124, 83078 1 1, 126, 13873 2 1, 127, 44667 3 1, 128, 75461 4 1, 130, 06256 5 1, 131, 37050 6 1, 132, 67844 7 1, 133, 98638 8 1, 135, 29433 9 1, 136, 60227	960	1, 255, 62508 1 1, 256, 83300 2 1, 258, 24095 3 1, 259, 64889 4 1, 260, 85683 5 1, 262, 16477 6 1, 263, 47272 7 1, 264, 78066 8 1, 266, 08860 9 1, 267, 39655
70	91, 55599 1 92, 86394 2 94, 17188 3 95, 47982 4 96, 78777 5 98, 09571 6 99, 40365 7 100, 71159 8 102, 01954 9 103, 32748	270	353, 14455 1 354, 45249 2 355, 76043 3 357, 06838 4 358, 37632 5 359, 68426 6 360, 99221 7 362, 30015 8 363, 60809 9 364, 91603	370	483, 98883 1 485, 29677 2 486, 60471 3 487, 91265 4 489, 22059 5 490, 52854 6 491, 83648 7 493, 14443 8 494, 45237 9 495, 76031	470	614, 73310 1 616, 04105 2 617, 34899 3 618, 65693 4 619, 96487 5 621, 27282 6 622, 58076 7 623, 88870 8 625, 19665 9 626, 50459	570	745, 52738 1 746, 83532 2 748, 14327 3 749, 45121 4 750, 75915 5 752, 06709 6 753, 37504 7 754, 68298 8 755, 99092 9 757, 29886	670	876, 32166 1 877, 62960 2 878, 93754 3 880, 24549 4 881, 55343 5 882, 86137 6 884, 16931 7 885, 47726 8 886, 78520 9 888, 09314	770	1, 007, 11593 1 1, 008, 42388 2 1, 009, 73182 3 1, 011, 03976 4 1, 012, 34771 5 1, 013, 65565 6 1, 014, 96359 7 1, 016, 27153 8 1, 017, 57948 9 1, 018, 88742	870	1, 137, 91021 1 1, 139, 21815 2 1, 140, 52610 3 1, 141, 83404 4 1, 143, 14198 5 1, 144, 44993 6 1, 145, 75787 7 1, 147, 06581 8 1, 148, 37375 9 1, 149, 68170	970	1, 270, 70449 1 1, 270, 01243 2 1, 271, 32037 3 1, 272, 62832 4 1, 273, 93626 5 1, 275, 24420 6 1, 276, 55215 7 1, 277, 86009 8 1, 279, 16803 9 1, 280, 47597
80	104, 63542 1 105, 94336 2 107, 25131 3 108, 55925 4 109, 86719 5 111, 17514 6 112, 48308 7 113, 79102 8 115, 09896 9 116, 40691	280	366, 22398 1 367, 53192 2 368, 83986 3 370, 14780 4 371, 45575 5 372, 76369 6 374, 07163 7 375, 37958 8 376, 68752 9 377, 99546	380	497, 01825 1 498, 32620 2 499, 63414 3 500, 94208 4 502, 25002 5 503, 55797 6 504, 86591 7 506, 17385 8 507, 48180 9 508, 78974	480	627, 81253 1 629, 12047 2 630, 42842 3 631, 73636 4 633, 04430 5 634, 35224 6 635, 66019 7 636, 96813 8 638, 27607 9 639, 58402	580	758, 60681 1 759, 91475 2 761, 22269 3 762, 53064 4 763, 83858 5 765, 14652 6 766, 45446 7 767, 76241 8 769, 07035 9 770, 37829	680	880, 40108 1 890, 70903 2 892, 01697 3 893, 32491 4 894, 63286 5 895, 94080 6 897, 24874 7 898, 55668 8 899, 86463 9 901, 17257	780	1, 020, 19536 1 1, 021, 50330 2 1, 022, 81125 3 1, 024, 11919 4 1, 025, 42713 5 1, 026, 73508 6 1, 028, 04302 7 1, 029, 35096 8 1, 030, 65890 9 1, 031, 96685	880	1, 150, 98964 1 1, 152, 29758 2 1, 153, 60552 3 1, 154, 91347 4 1, 156, 22141 5 1, 157, 52935 6 1, 158, 83730 7 1, 160, 14524 8 1, 161, 45318 9 1, 162, 76112	980	1, 281, 78392 1 1, 283, 09186 2 1, 284, 39980 3 1, 285, 70774 4 1, 287, 01569 5 1, 288, 32363 6 1, 289, 63157 7 1, 290, 93952 8 1, 292, 24746 9 1, 293, 55540
90	117, 71485 1 119, 02279 2 120, 33074 3 121, 63868 4 122, 94662 5 124, 25456 6 125, 56251 7 126, 87045 8 128, 17839 9 129, 48633	290	379, 30340 1 380, 61135 2 381, 91929 3 383, 22723 4 384, 53517 5 385, 84312 6 387, 15106 7 388, 45900 8 389, 76694 9 391, 07489	390	510, 08708 1 511, 40562 2 512, 71357 3 514, 02151 4 515, 32945 5 516, 63739 6 517, 94534 7 519, 25328 8 520, 56122 9 521, 86917	490	640, 89196 1 642, 19990 2 643, 50784 3 644, 81579 4 646, 12373 5 647, 43167 6 648, 73961 7 650, 04756 8 651, 35550 9 652, 66344	590	771, 68624 1 772, 99418 2 774, 30212 3 775, 61006 4 776, 91801 5 778, 22595 6 779, 53389 7 780, 84183 8 782, 14978 9 783, 45772	690	902, 48051 1 903, 78846 2 905, 09640 3 906, 40434 4 907, 71228 5 908, 02023 6 909, 32817 7 911, 63611 8 912, 94405 9 914, 25200	790	1, 033, 27479 1 1, 034, 58273 2 1, 035, 89068 3 1, 037, 19862 4 1, 038, 50656 5 1, 039, 81450 6 1, 041, 12245 7 1, 042, 43039 8 1, 043, 73833 9 1, 045, 04627	890	1, 164, 06907 1 1, 165, 37701 2 1, 166, 68495 3 1, 167, 99290 4 1, 169, 30084 5 1, 170, 60878 6 1, 171, 91672 7 1, 173, 22467 8 1, 174, 53261 9 1, 175, 84055	990	1, 294, 86334 1 1, 296, 17129 2 1, 297, 47923 3 1, 298, 78717 4 1, 300, 09512 5 1, 301, 40306 6 1, 302, 71100 7 1, 304, 01894 8 1, 305, 32689 9 1, 306, 63483

CAPACITIES.—LIQUID QUARTS TO LITERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 liquid quart = 0.9463586241 liter.

Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.
0	0.94636	100	94.63586	200	189.27172	300	283.90758	400	378.54345	500	473.17931	600	567.81517	700	662.45104
1	95.58222	1	95.58222	1	190.21808	1	284.85395	1	379.48981	1	474.12567	1	568.76153	1	663.39740
2	1.89272	2	96.52858	2	191.16444	2	285.80030	2	380.43617	2	475.07203	2	569.70789	2	664.34375
3	2.83908	3	97.47494	3	192.11080	3	286.74666	3	381.88253	3	476.01839	3	570.65425	3	665.29011
4	3.78543	4	98.42130	4	193.05716	4	287.69302	4	382.82888	4	476.96475	4	571.60661	4	666.23647
5	4.73179	5	99.36766	5	194.00352	5	288.63938	5	383.87524	5	477.91611	5	572.54897	5	667.18283
6	5.67815	6	100.31401	6	194.94988	6	289.58574	6	384.82160	6	478.82746	6	573.49333	6	668.12919
7	6.62451	7	101.26037	7	195.89624	7	290.53210	7	385.76796	7	479.73882	7	574.43968	7	669.07555
8	7.57087	8	102.20673	8	196.84259	8	291.47846	8	386.71432	8	480.65018	8	575.39104	8	670.02191
9	8.51723	9	103.15309	9	197.78895	9	292.42481	9	387.66068	9	481.60654	9	576.33240	9	670.96826
10	9.46359	10	104.09945	210	198.73531	310	293.37117	410	388.00704	510	482.64290	610	577.27876	710	671.91452
1	10.40994	1	105.04581	1	199.68167	1	294.31753	1	388.93389	1	483.58926	1	578.22512	1	672.86098
2	11.35630	2	106.00217	2	200.62803	2	295.26389	2	389.88975	2	484.53562	2	579.17148	2	673.80734
3	12.30266	3	106.95852	3	201.57439	3	296.21025	3	390.84611	3	485.48197	3	580.11784	3	674.75370
4	13.24902	4	107.88488	4	202.52075	4	297.15661	4	391.79247	4	486.42833	4	581.06420	4	675.70006
5	14.19538	5	108.83124	5	203.46710	5	298.10297	5	392.73883	5	487.37469	5	582.01055	5	676.64642
6	15.14174	6	109.77760	6	204.41346	6	299.04933	6	393.68519	6	488.32105	6	582.95691	6	677.59277
7	16.08810	7	110.72396	7	205.35982	7	299.99568	7	394.63155	7	489.26741	7	583.90327	7	678.53913
8	17.03446	8	111.67032	8	206.30618	8	300.94204	8	395.57790	8	490.21377	8	584.84963	8	679.48549
9	17.98081	9	112.61668	9	207.25254	9	301.88840	9	396.52426	9	491.16013	9	585.79599	9	680.43185
20	18.92717	120	113.56303	220	208.19890	320	302.83476	420	397.47082	520	492.10648	620	588.74925	720	681.37391
1	19.87353	1	114.50939	1	209.14526	1	303.78112	1	398.41698	1	493.05284	1	589.69561	1	682.32027
2	20.81989	2	115.45575	2	210.09161	2	304.72748	2	399.36334	2	493.99920	2	590.64197	2	683.26663
3	21.76625	3	116.40211	3	211.03797	3	305.67384	3	400.30970	3	494.94556	3	591.58832	3	684.21300
4	22.71261	4	117.34847	4	211.98433	4	306.62019	4	401.25606	4	495.89192	4	592.53468	4	685.15936
5	23.65897	5	118.29483	5	212.93069	5	307.56655	5	402.20242	5	496.83828	5	593.48104	5	686.10572
6	24.60532	6	119.24119	6	213.87705	6	308.51291	6	403.14877	6	497.78463	6	594.42730	6	687.05208
7	25.55168	7	120.18755	7	214.82341	7	309.45927	7	404.09513	7	498.73099	7	595.37356	7	688.00272
8	26.49804	8	121.13390	8	215.76977	8	310.40563	8	405.04149	8	499.67735	8	596.31982	8	688.94908
9	27.44440	9	122.08026	9	216.71612	9	311.35199	9	405.98785	9	500.62371	9	597.26607	9	689.89544
30	28.39076	130	123.02662	230	217.66248	330	312.29835	430	406.93431	530	501.87007	630	598.20593	730	690.84180
1	29.33712	1	123.97298	1	218.60884	1	313.24470	1	407.88067	1	502.81643	1	599.15229	1	691.78816
2	30.28348	2	124.91934	2	219.55520	2	314.19106	2	408.82693	2	503.76279	2	600.09865	2	692.73451
3	31.22983	3	125.86570	3	220.50156	3	315.13742	3	409.77323	3	504.70915	3	601.04501	3	693.68087
4	32.17619	4	126.81206	4	221.44792	4	316.08378	4	410.71959	4	505.65551	4	602.09137	4	694.62723
5	33.12255	5	127.75841	5	222.39428	5	317.03014	5	411.66600	5	506.60186	5	603.03773	5	695.57359
6	34.06891	6	128.70477	6	223.34064	6	317.97650	6	412.61236	6	507.54822	6	604.08408	6	696.51995
7	35.01527	7	129.65113	7	224.28699	7	318.92286	7	413.55872	7	508.49458	7	605.03044	7	697.46631
8	35.96163	8	130.59749	8	225.23335	8	319.86921	8	414.50505	8	509.44094	8	606.07680	8	698.41266
9	36.90799	9	131.54385	9	226.17971	9	320.81557	9	415.45141	9	510.38730	9	607.02316	9	699.35902
80	37.85436	140	132.49021	240	227.12607	340	321.76193	440	416.39779	540	511.03365	640	608.06992	740	700.30638
1	38.80070	1	133.43657	1	228.07243	1	322.70829	1	417.34415	1	511.97902	1	609.01628	1	701.25274
2	39.74706	2	134.38292	2	229.01879	2	323.65465	2	418.29051	2	512.92437	2	610.06254	2	702.19910
3	40.69342	3	135.32928	3	230.06515	3	324.60101	3	419.23687	3	513.87073	3	611.00830	3	703.14546
4	41.63978	4	136.27564	4	231.01150	4	325.54737	4	420.18323	4	514.81699	4	611.95405	4	704.09182
5	42.58614	5	137.22200	5	231.95786	5	326.49373	5	421.12969	5	515.76346	5	612.90011	5	705.03818
6	43.53250	6	138.16836	6	232.90422	6	327.44008	6	422.07605	6	516.71181	6	613.84617	6	706.08454
7	44.47886	7	139.11471	7	233.85058	7	328.38644	7	423.02241	7	517.65817	7	614.79222	7	707.03090
8	45.42521	8	140.06108	8	234.79694	8	329.33280	8	423.96866	8	518.60433	8	615.73833	8	708.07726
9	46.37157	9	141.00743	9	235.74330	9	330.27916	9	424.91502	9	519.55058	9	616.68444	9	709.02362
90	47.31793	150	141.95379	250	236.68966	350	331.22552	450	425.86138	550	520.49684	650	617.63290	750	710.06998
1	48.26429	1	142.90015	1	237.63602	1	332.17188	1	426.80774	1	521.44310	1	618.57901	1	711.01634
2	49.21065	2	143.84651	2	238.58238	2	333.11824	2	427.75409	2	522.38932	2	619.52502	2	712.06270
3	50.15701	3	144.79287	3	239.52874	3	334.06460	3	428.70049	3	523.33544	3	620.47113	3	713.00906
4	51.10337	4	145.73923	4	240.47510	4	335.01096	4	429.64685	4	524.28155	4	621.41725	4	714.05542
5	52.04973	5	146.68559	5	241.42146	5	335.95732	5	430.59821	5	525.22767	5	622.36337	5	715.00178
6	53.00009	6	147.63195	6	242.36782	6	336.90368	6	431.54457	6	526.17379	6	623.30949	6	716.04814
7	53.95045	7	148.57831	7	243.31418	7	337.84904	7	432.49093	7	527.11991	7	624.25561	7	717.09450
8	54.90081	8	149.52467	8	244.26054	8	338.79540	8	433.43729	8	528.06603	8	625.20173	8	718.14086
9	55.85117	9	150.47103	9	245.20690	9	339.74176	9	434.38365	9	529.01215	9	626.14785	9	719.18722
20	56.80153	160	151.41739	260	246.15326	360	340.68812	460	435.32991	560	530.05831	660	627.09397	760	720.13358
1	57.75189	1	152.36375	1	247.10462	1	341.63448	1	436.27627	1	531.00443	1	628.04009	1	721.07994
2	58.70225	2	153.31011	2	248.05098	2	342.58084	2	437.22263	2	531.95055	2	629.08621	2	722.02630
3	59.65261	3	154.25647	3	249.00234	3	343.52720	3	438.16899	3	532.89667	3	630.03233	3	723.07266
4	60.60297	4	155.20283	4	250.00000	4	344.47356	4	439.11535	4	533.84279	4	631.07845	4	724.01902
5	61.55333	5	156.14919	5	251.00000	5	345.41992	5	440.06171	5	534.78891	5	632.02457	5	725.06538
6	62.50369	6	157.09555	6	252.00000	6	346.36628	6	441.00807	6	535.73503	6	633.07069	6	726.01174
7	63.45405	7	158.04191	7	253.00000	7	347.31264	7	441.95443	7	536.68115	7	634.01681	7	727.05810
8	64.40441	8	158.98827	8	254.00000	8	348.25900	8	442.90079	8	537.62727	8	635.06293	8	728.00446
9	65.35477	9	159.93463	9	255.00000	9	349.20536	9	443.84715	9	538.57339	9	636.00905	9	729.05082
30	66.30513	170	160.88099	270	256.00000	370	350.15172	470	444.79351	570	539.51951	670	637.05517	770	730.09718
1	67.25549	1	161.82735	1	257.00000	1	351.09808	1	445.73987	1	540.46563	1	638.00129	1	731.04354
2	68.20585	2	162.77371	2	258.00000	2	352.04444	2	446.68623	2	541.4				

50	47, 31768	150	141, 95379	250	236, 53866	350	331, 22552	450	425, 86138	550	520, 40724	650	616, 13311	750	709, 76897	850	804, 40483	950	898, 04069
1	48, 26429	1	142, 90015	1	237, 53601	1	332, 17188	1	426, 80774	1	521, 44360	1	616, 07046	1	710, 71635	1	805, 35119	1	898, 98705
2	49, 21065	2	143, 74651	2	238, 48237	2	333, 11824	2	427, 75140	2	522, 38966	2	617, 02582	2	711, 68169	2	806, 29755	2	899, 93341
3	50, 15701	3	144, 79287	3	239, 42873	3	334, 06459	3	428, 70146	3	523, 33632	3	618, 07218	3	712, 68094	3	807, 28454	3	901, 87677
4	51, 10637	4	145, 73523	4	240, 37669	4	335, 01095	4	429, 64582	4	524, 28268	4	619, 01554	4	713, 55440	4	808, 19027	4	902, 82613
5	52, 04072	5	146, 68539	5	241, 32145	5	335, 95781	5	430, 59317	5	525, 22904	5	619, 86190	5	714, 50076	5	809, 13662	5	903, 77249
6	53, 00000	6	147, 63195	6	242, 26781	6	336, 90367	6	431, 53953	6	526, 17540	6	620, 81126	6	715, 44712	6	810, 08208	6	904, 71884
7	54, 94244	7	148, 57580	7	243, 21417	7	337, 85003	7	432, 48669	7	527, 12175	7	621, 76762	7	716, 39349	7	811, 02954	7	905, 66520
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9	56, 83610	9	150, 47102	9	245, 10688	9	339, 74276	9	434, 37861	9	529, 01447	9	623, 65033	9	718, 28620	9	812, 02206	9	907, 55792
60	56, 78152	160	151, 41738	260	246, 05324	360	340, 08910	460	435, 32487	560	529, 96083	660	624, 69689	760	719, 23255	860	813, 86842	960	908, 50428
1	57, 72788	1	152, 36374	1	247, 09960	1	341, 03546	1	436, 27183	1	530, 90719	1	625, 64305	1	720, 17891	1	814, 81478	1	909, 45064
2	58, 67423	2	153, 31010	2	247, 94596	2	342, 08182	2	437, 21768	2	531, 85355	2	626, 48941	2	721, 12527	2	815, 76113	2	910, 39700
3	59, 62059	3	154, 25646	3	248, 89232	3	343, 02818	3	438, 16404	3	532, 79991	3	627, 43577	3	722, 07149	3	816, 70749	3	911, 34336
4	60, 56696	4	155, 20251	4	249, 83968	4	344, 47454	4	439, 11040	4	533, 74628	4	628, 38213	4	723, 01789	4	817, 65385	4	912, 28871
5	61, 51331	5	156, 14917	5	250, 78504	5	345, 42090	5	440, 06076	5	534, 69262	5	629, 32849	5	723, 96435	5	818, 60021	5	913, 23807
6	62, 45967	6	157, 09553	6	251, 73139	6	346, 36726	6	441, 00312	6	535, 63988	6	630, 27484	6	724, 91071	6	819, 54697	6	914, 18243
7	63, 40603	7	158, 04189	7	252, 67715	7	347, 31362	7	441, 91948	7	536, 58534	7	631, 22120	7	725, 85706	7	820, 49293	7	915, 12879
8	64, 35239	8	159, 98825	8	253, 62411	8	348, 25997	8	442, 84564	8	537, 63170	8	632, 16756	8	726, 80942	8	821, 43923	8	916, 07515
9	65, 29875	9	159, 93461	9	254, 57047	9	349, 20633	9	443, 81219	9	538, 47896	9	633, 11392	9	727, 74978	9	822, 38564	9	917, 02151
70	66, 24510	170	160, 53697	270	255, 51683	370	350, 15269	470	444, 78855	570	539, 42442	670	634, 06628	770	728, 69814	870	823, 39200	970	917, 96787
1	67, 19146	1	161, 52782	1	256, 46319	1	351, 09905	1	445, 73491	1	540, 37077	1	635, 01604	1	729, 64250	1	824, 27836	1	918, 91422
2	68, 13782	2	162, 47368	2	257, 40955	2	352, 04541	2	446, 65127	2	541, 31713	2	636, 95390	2	730, 58886	2	825, 22472	2	919, 86058
3	69, 08418	3	163, 42004	3	258, 35590	3	353, 09177	3	447, 62763	3	542, 26849	3	638, 89935	3	731, 53922	3	826, 17108	3	920, 80694
4	70, 03054	4	164, 36640	4	259, 30226	4	353, 93813	4	448, 57399	4	543, 20985	4	637, 84571	4	732, 48158	4	827, 11744	4	921, 75330
5	70, 97690	5	165, 31276	5	260, 24862	5	354, 88448	5	449, 52035	5	544, 15821	5	638, 79297	5	733, 42793	5	828, 06380	5	922, 69966
6	71, 92326	6	166, 25912	6	261, 19498	6	355, 83084	6	450, 46671	6	545, 10257	6	639, 73843	6	734, 37429	6	829, 01015	6	923, 64602
7	72, 86961	7	167, 20548	7	262, 14134	7	356, 77720	7	451, 41306	7	546, 04893	7	640, 68479	7	735, 32065	7	830, 95651	7	924, 59238
8	73, 81597	8	168, 15184	8	263, 08770	8	357, 72356	8	452, 35942	8	547, 96528	8	641, 63115	8	736, 26701	8	831, 90287	8	925, 53873
9	74, 76233	9	169, 39819	9	264, 03406	9	358, 66992	9	453, 30678	9	547, 91464	9	642, 57751	9	737, 21337	9	831, 84923	9	926, 48009
80	75, 70869	180	170, 34455	280	265, 95041	380	359, 61628	480	454, 25214	580	548, 88809	680	643, 52386	780	738, 15973	880	832, 70559	980	927, 43145
1	76, 65505	1	171, 29091	1	266, 92677	1	360, 56264	1	456, 19580	1	549, 83436	1	644, 47022	1	739, 10609	1	833, 74195	1	928, 37781
2	77, 60141	2	172, 23727	2	267, 87313	2	361, 50889	2	457, 14486	2	550, 78972	2	645, 41658	2	740, 05244	2	834, 68931	2	929, 32417
3	78, 54777	3	173, 18363	3	268, 81949	3	362, 45335	3	457, 09122	3	551, 72708	3	646, 36294	3	740, 99880	3	835, 63467	3	930, 27053
4	79, 49412	4	174, 12999	4	269, 76585	4	363, 40171	4	458, 03757	4	552, 67344	4	647, 30630	4	741, 94516	4	836, 58102	4	931, 21689
5	80, 44048	5	175, 07635	5	270, 71221	5	364, 34807	5	459, 98393	5	553, 61980	5	648, 25566	5	742, 89152	5	837, 52738	5	932, 16324
6	81, 38584	6	176, 02270	6	271, 65857	6	365, 29443	6	459, 93929	6	554, 56615	6	649, 20292	6	743, 83788	6	838, 47374	6	933, 10960
7	82, 33220	7	177, 06906	7	272, 60437	7	366, 24079	7	460, 87665	7	555, 51251	7	650, 14937	7	744, 78424	7	839, 42010	7	934, 05596
8	83, 27956	8	177, 01542	8	273, 55128	8	367, 18715	8	461, 82901	8	556, 46887	8	651, 09473	8	745, 73060	8	840, 36646	8	935, 00232
9	84, 22592	9	178, 96178	9	274, 49764	9	368, 13350	9	462, 76937	9	557, 40523	9	652, 04109	9	746, 67695	9	841, 31282	9	935, 94868
90	85, 17228	190	179, 90314	290	274, 44400	390	369, 07886	490	463, 71573	590	558, 35159	690	652, 98745	790	747, 02931	890	842, 25918	990	936, 89504
1	86, 11863	1	180, 75450	1	275, 39036	1	370, 02622	1	464, 66208	1	559, 29795	1	653, 93381	1	748, 56867	1	843, 20553	1	937, 84140
2	87, 06499	2	181, 70086	2	276, 33672	2	371, 07258	2	465, 60844	2	560, 24431	2	654, 86017	2	749, 51603	2	844, 15189	2	938, 76776
3	88, 01135	3	182, 64721	3	277, 28308	3	371, 91894	3	466, 55480	3	561, 19066	3	655, 82653	3	750, 46239	3	845, 09825	3	939, 73411
4	89, 95771	4	183, 59357	4	278, 22944	4	372, 86530	4	467, 50116	4	562, 13702	4	656, 77289	4	751, 40875	4	846, 04461	4	940, 68047
5	90, 90407	5	184, 53993	5	279, 17579	5	373, 81168	5	468, 44762	5	563, 08338	5	657, 71924	5	752, 35511	5	846, 99087	5	941, 62683
6	91, 85043	6	185, 48629	6	280, 12215	6	374, 75892	6	469, 39388	6	564, 02974	6	658, 66560	6	753, 30146	6	847, 93753	6	942, 57319
7	92, 79679	7	186, 43265	7	281, 06861	7	375, 70437	7	470, 34024	7	565, 97610	7	659, 61196	7	754, 24782	7	848, 88369	7	943, 51955
8	93, 74315	8	187, 37901	8	282, 01487	8	376, 65073	8	471, 28669	8	566, 92246	8	660, 55832	8	755, 19418	8	849, 83004	8	944, 46591
9	94, 68950	9	188, 32537	9	283, 96123	9	377, 59709	9	472, 23235	9	566, 86882	9	661, 04468	9	756, 14054	9	850, 77640	9	945, 41227

CAPACITIES.—LITERS TO LIQUID QUARTS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 liter = 1.056688 liquid quarts.

Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.	Liters.	Quarts.		
0	1.05668	100	105.66819	200	211.33637	300	317.00456	400	422.67275	500	528.34093	600	634.00912	700	739.67731	800	845.34550	900	951.01368
1	1.05668	101	106.72487	201	212.39306	301	318.06124	401	423.72943	501	529.39762	601	635.06580	701	740.73399	801	846.40218	901	952.07036
2	1.13396	102	107.78155	202	213.44974	302	319.11792	402	424.78511	502	530.45430	602	636.12248	702	741.79067	802	847.45886	902	953.12705
3	1.17005	103	108.83823	203	214.50642	303	320.17460	403	425.84279	503	531.51098	603	637.17917	703	742.84735	803	848.51554	903	954.18373
4	1.22673	104	109.89491	204	215.56310	304	321.23129	404	426.86748	504	532.56766	604	638.23585	704	743.90404	804	849.57222	904	955.24041
5	1.28341	105	110.95160	205	216.61978	305	322.28797	405	427.96615	505	533.62434	605	639.29253	705	744.96072	805	850.62880	905	956.29709
6	1.34009	106	112.00828	206	217.67646	306	323.34465	406	429.02854	506	534.68103	606	640.34921	706	746.01740	806	851.68559	906	957.35377
7	1.39677	107	113.06496	207	218.73315	307	324.40133	407	430.06852	507	535.73771	607	641.40589	707	747.07408	807	852.74227	907	958.41046
8	1.45345	108	114.12164	208	219.78983	308	325.45802	408	431.12620	508	536.79489	608	642.46258	708	748.13076	808	853.79895	908	959.46714
9	1.51014	109	115.17832	209	220.84651	309	326.51470	409	432.18288	509	537.85107	609	643.51926	709	749.18745	809	854.85563	909	960.52382
10	1.56682	110	116.23500	210	221.90319	310	327.57138	410	433.24957	510	538.90775	610	644.57594	710	750.24413	810	855.91231	910	961.58050
11	1.62350	111	117.29169	211	222.95987	311	328.62806	411	434.29825	511	539.96444	611	645.62962	711	751.30081	811	856.96900	911	962.63718
12	1.68018	112	118.34837	212	224.01656	312	329.68474	412	435.35293	512	541.02112	612	646.68930	712	752.35749	812	858.02568	912	963.69386
13	1.73686	113	119.40505	213	225.07324	313	330.74143	413	436.40961	513	542.07780	613	647.74598	713	753.41417	813	859.08236	913	964.75055
14	1.79355	114	120.46173	214	226.12992	314	331.79811	414	437.46629	514	543.13448	614	648.80267	714	754.47085	814	860.13904	914	965.80723
15	1.85023	115	121.51841	215	227.18660	315	332.85479	415	438.52998	515	544.19118	615	649.86935	715	755.52753	815	861.19572	915	966.86391
16	1.90690	116	122.57510	216	228.24328	316	333.91147	416	439.59666	516	545.24784	616	650.91603	716	756.58422	816	862.25241	916	967.92059
17	1.96359	117	123.63178	217	229.29997	317	334.96815	417	440.65394	517	546.30453	617	651.97271	717	757.64090	817	863.30909	917	968.97727
18	2.02027	118	124.68846	218	230.35665	318	336.02483	418	441.69932	518	547.36121	618	653.02939	718	758.69758	818	864.36577	918	970.03396
19	2.07696	119	125.74514	219	231.41333	319	337.08152	419	442.74970	519	548.41789	619	654.08608	719	759.75426	819	865.42245	919	971.09064
20	2.13364	120	126.80182	220	232.47001	320	338.13820	420	443.80639	520	549.47457	620	655.14276	720	760.81084	820	866.47913	920	972.14732
21	2.19032	121	127.85851	221	233.52669	321	339.19488	421	444.86307	521	550.53125	621	656.19944	721	761.86763	821	867.53581	921	973.20400
22	2.24700	122	128.91519	222	234.58337	322	340.25156	422	445.91975	522	551.58794	622	657.25612	722	762.92431	822	868.59250	922	974.26068
23	2.30368	123	129.97187	223	235.64006	323	341.30824	423	446.97643	523	552.64462	623	658.31280	723	763.98099	823	869.64918	923	975.31737
24	2.36036	124	131.02855	224	236.69674	324	342.36493	424	448.03311	524	553.70130	624	659.36949	724	765.03767	824	870.70586	924	976.37405
25	2.41705	125	132.08523	225	237.75342	325	343.42161	425	449.08979	525	554.75798	625	660.42917	725	766.09435	825	871.76254	925	977.43073
26	2.47373	126	133.14191	226	238.81010	326	344.47829	426	450.14648	526	555.81466	626	661.48285	726	767.15104	826	872.81922	926	978.48741
27	2.53041	127	134.19860	227	239.86678	327	345.53497	427	451.20316	527	556.87135	627	662.53953	727	768.20772	827	873.87591	927	979.54409
28	2.58709	128	135.25528	228	240.92347	328	346.59105	428	452.25984	528	557.92803	628	663.59621	728	769.26440	828	874.93259	928	980.60077
29	2.64377	129	136.31196	229	241.98015	329	347.64833	429	453.31652	529	558.98471	629	664.65289	729	770.32108	829	875.98927	929	981.65746
30	2.70045	130	137.36864	230	243.03683	330	348.70502	430	454.37320	530	560.04139	630	665.70958	730	771.37776	830	877.04595	930	982.71414
31	2.75714	131	138.42532	231	244.09351	331	349.76170	431	455.42989	531	561.09807	631	666.76625	731	772.43444	831	878.10263	931	983.77082
32	2.81382	132	139.48200	232	245.15019	332	350.81838	432	456.48657	532	562.15475	632	667.82294	732	773.49113	832	879.15932	932	984.82750
33	2.87050	133	140.53868	233	246.20687	333	351.87506	433	457.54325	533	563.21144	633	668.87962	733	774.54781	833	880.21600	933	985.88418
34	2.92718	134	141.59537	234	247.26356	334	352.93174	434	458.59993	534	564.26812	634	669.93630	734	775.60449	834	881.27268	934	986.94087
35	2.98387	135	142.65205	235	248.32024	335	353.98843	435	459.65661	535	565.32480	635	670.99299	735	776.66117	835	882.32936	935	987.99755
36	3.04055	136	143.70873	236	249.37692	336	355.04511	436	460.71329	536	566.38148	636	672.04967	736	777.71785	836	883.38604	936	989.05423
37	3.09723	137	144.76542	237	250.43360	337	356.10179	437	461.76998	537	567.43816	637	673.10635	737	778.77452	837	884.44272	937	990.11091
38	3.15391	138	145.82210	238	251.49028	338	357.15847	438	462.82666	538	568.49485	638	674.16303	738	779.83122	838	885.49941	938	991.16759
39	3.21059	139	146.87878	239	252.54697	339	358.21515	439	463.88334	539	569.55153	639	675.21971	739	780.88790	839	886.55609	939	992.22427
40	3.26727	140	147.93546	240	253.60365	340	359.27184	440	464.94002	540	570.60821	640	676.27640	740	781.94458	840	887.61277	940	993.28096
41	3.32395	141	148.99214	241	254.66033	341	360.32852	441	465.99670	541	571.66489	641	677.33308	741	783.00125	841	888.66945	941	994.33764
42	3.38063	142	150.04882	242	255.71701	342	361.38520	442	467.05339	542	572.72157	642	678.38976	742	784.05793	842	889.72613	942	995.39432
43	3.43732	143	151.10551	243	256.77369	343	362.44186	443	468.11007	543	573.77826	643	679.44644	743	785.11463	843	890.78282	943	996.45100
44	3.49400	144	152.16219	244	257.83038	344	363.49855	444	469.16675	544	574.83494	644	680.50312	744	786.17131	844	891.83950	944	997.50768
45	3.55068	145	153.21887	245	258.88706	345	364.55524	445	470.22343	545	575.89162	645	681.55980	745	787.22799	845	892.89618	945	998.56437
46	3.60737	146	154.27555	246	259.94373	346	365.61193	446	471.28011	546	576.94830	646	682.61649	746	788.28467	846	893.95286	946	999.62105
47	3.66405	147	155.33223	247	261.00042	347	366.66861	447	472.33680	547	577.99998	647	683.67317	747	789.34135	847	895.00954	947	1.000.67783
48	3.72073	148	156.38892	248	262.05710	348	367.72527	448	473.39348	548	579.05665	648	684.72985	748	790.39804	848	896.06622	948	1.001.73441
49	3.77741	149	157.44560	249	263.11379	349	368.78197	449	474.45016	549	580.11335	649	685.78653	749	791.45472	849	897.12291	949	1.002.79109

50	62, 88409 1 63, 89077 2 64, 94744 3 66, 00414 4 51, 06082 5 68, 11760 6 68, 17418 7 60, 23085 8 66, 56573 9 62, 34423	150	158, 50228 1 169, 55896 2 160, 61564 3 161, 67232 4 162, 72901 5 163, 78669 6 164, 84237 7 166, 89905 8 166, 95573 9 168, 01242	250	264, 17047 1 265, 22716 2 266, 28388 3 267, 34051 4 268, 39719 5 269, 45388 6 270, 51056 7 271, 56724 8 272, 62392 9 273, 68060	350	369, 83865 1 370, 89534 2 371, 95202 3 372, 94051 4 374, 06538 5 375, 12206 6 376, 17874 7 377, 23543 8 378, 29211 9 379, 34879	450	476, 50684 1 478, 56352 2 479, 62020 3 478, 67689 4 479, 73357 5 480, 79025 6 481, 84693 7 482, 90361 8 483, 96030 9 485, 01698	550	681, 17503 1 682, 23171 2 683, 28839 3 684, 34507 4 685, 40176 5 686, 45844 6 687, 51512 7 688, 57180 8 689, 62848 9 690, 68517	650	886, 84321 1 887, 89989 2 888, 95658 3 889, 01326 4 890, 06994 5 891, 12662 6 892, 18331 7 893, 23999 8 894, 29668 9 895, 35335	750	792, 61140 1 793, 66808 2 794, 72476 3 795, 78145 4 796, 83813 5 797, 89481 6 798, 95149 7 799, 00817 8 800, 06485 9 801, 12154	850	898, 17959 1 899, 23627 2 900, 29295 3 901, 34963 4 902, 40632 5 903, 46300 6 904, 51968 7 905, 57636 8 906, 63304 9 907, 68973	950	1, 003, 84778 1 1, 004, 90446 2 1, 005, 96114 3 1, 007, 01782 4 1, 008, 07450 5 1, 009, 13118 6 1, 010, 18787 7 1, 011, 24455 8 1, 012, 30123 9 1, 013, 35791
60	63, 40091 1 64, 45759 2 65, 51428 3 66, 57096 4 67, 62764 5 68, 68432 6 69, 74100 7 70, 79768 8 71, 85437 9 72, 91105	160	169, 06910 1 170, 12578 2 171, 18246 3 172, 23914 4 173, 29583 5 174, 35251 6 175, 40919 7 176, 46587 8 177, 52255 9 178, 57923	260	274, 73729 1 275, 79397 2 276, 85065 3 277, 90733 4 278, 96401 5 280, 02070 6 281, 07738 7 282, 13406 8 283, 19074 9 284, 24742	360	380, 40547 1 381, 46215 2 382, 51884 3 383, 57552 4 384, 63220 5 385, 68888 6 386, 74556 7 387, 80225 8 388, 85893 9 389, 91561	460	486, 07366 1 487, 13034 2 488, 18702 3 489, 24371 4 490, 30039 5 491, 35707 6 492, 41375 7 493, 47043 8 494, 52711 9 495, 58380	560	691, 71185 1 692, 76853 2 693, 82521 3 694, 88189 4 695, 93857 5 697, 02525 6 698, 08194 7 699, 13862 8 700, 19530 9 701, 25198	660	897, 41003 1 898, 46671 2 899, 52340 3 900, 58008 4 901, 63676 5 902, 69344 6 903, 75012 7 904, 80681 8 905, 86349 9 906, 92017	760	803, 07822 1 804, 13490 2 805, 19158 3 806, 24826 4 807, 30495 5 808, 36163 6 809, 41831 7 810, 47499 8 811, 53167 9 812, 58836	860	908, 74641 1 909, 80309 2 910, 85977 3 911, 91645 4 912, 97313 5 914, 02982 6 915, 08650 7 916, 14318 8 917, 19986 9 918, 25654	960	1, 014, 41469 1 1, 015, 47128 2 1, 016, 52796 3 1, 017, 58464 4 1, 018, 64132 5 1, 019, 69800 6 1, 020, 75468 7 1, 021, 81137 8 1, 022, 86805 9 1, 023, 92473
70	73, 98773 1 75, 02441 2 76, 08109 3 77, 13778 4 78, 19446 5 79, 25114 6 80, 30782 7 81, 36450 8 82, 42119 9 83, 47787	170	179, 63592 1 180, 69260 2 181, 74928 3 182, 80596 4 183, 86265 5 184, 91933 6 185, 97601 7 187, 03269 8 188, 08937 9 189, 14605	270	285, 36079 1 286, 41747 2 287, 47415 3 288, 53083 4 289, 58751 5 290, 64420 6 291, 64420 7 292, 70088 8 293, 75756 9 294, 81424	370	390, 97229 1 392, 02897 2 393, 08566 3 394, 14234 4 395, 19902 5 396, 25570 6 397, 31238 7 398, 36906 8 399, 42575 9 400, 48243	470	496, 64048 1 497, 69716 2 498, 75384 3 499, 81052 4 500, 86721 5 501, 92389 6 502, 98057 7 504, 03725 8 505, 09393 9 506, 15062	570	602, 30867 1 603, 36535 2 604, 42203 3 605, 47871 4 606, 53539 5 607, 59207 6 608, 64876 7 609, 70544 8 610, 76212 9 611, 81880	670	707, 37685 1 709, 03353 2 710, 09022 3 711, 14690 4 712, 20358 5 713, 26026 6 714, 31694 7 715, 37362 8 716, 43031 9 717, 48699	770	813, 64504 1 814, 70172 2 815, 75840 3 816, 81508 4 817, 87176 5 818, 92845 6 819, 98513 7 821, 04181 8 822, 09849 9 823, 15517	870	919, 31323 1 920, 36991 2 921, 42659 3 922, 48327 4 923, 53995 5 924, 59664 6 925, 65332 7 926, 71000 8 927, 76668 9 928, 82336	970	1, 024, 98141 1 1, 025, 03809 2 1, 026, 09478 3 1, 027, 15146 4 1, 028, 20814 5 1, 030, 26482 6 1, 031, 32150 7 1, 032, 37819 8 1, 033, 43487 9 1, 034, 49155
80	84, 53455 1 85, 59123 2 86, 64791 3 87, 70459 4 88, 76128 5 89, 81796 6 90, 87464 7 91, 93132 8 92, 98800 9 94, 04469	180	190, 20273 1 191, 25942 2 192, 31610 3 193, 37278 4 194, 42946 5 195, 48614 6 196, 54283 7 197, 59951 8 198, 65619 9 199, 71287	280	295, 37092 1 296, 92761 2 297, 98429 3 299, 04097 4 300, 09765 5 301, 15433 6 302, 21101 7 303, 26770 8 304, 32438 9 305, 38106	380	401, 53911 1 402, 59579 2 403, 65247 3 404, 70916 4 405, 76584 5 406, 82252 6 407, 87920 7 408, 93588 8 409, 99257 9 411, 04925	480	507, 20730 1 508, 26398 2 509, 32066 3 510, 37734 4 511, 43402 5 512, 49071 6 513, 54739 7 514, 60407 8 515, 66075 9 516, 71743	580	612, 87548 1 613, 93217 2 614, 98885 3 616, 04553 4 617, 10221 5 618, 15889 6 619, 21558 7 620, 27226 8 621, 32894 9 622, 38562	680	718, 54367 1 719, 60035 2 720, 65703 3 721, 71372 4 722, 77040 5 723, 82708 6 724, 88376 7 725, 94044 8 726, 99713 9 728, 05381	780	824, 21186 1 825, 26854 2 826, 32522 3 827, 38190 4 828, 43858 5 829, 49527 6 830, 55195 7 831, 60863 8 832, 66531 9 833, 72199	880	929, 89004 1 930, 94673 2 931, 99341 3 933, 05009 4 934, 10677 5 935, 16345 6 936, 22014 7 937, 27682 8 938, 33350 9 939, 39018	980	1, 035, 54893 1 1, 036, 60461 2 1, 037, 66129 3 1, 038, 71798 4 1, 039, 77466 5 1, 040, 83134 6 1, 041, 88802 7 1, 042, 94470 8 1, 044, 00139 9 1, 045, 05807
90	95, 10137 1 96, 15805 2 97, 21473 3 98, 27141 4 99, 32809 5 100, 38478 6 101, 44146 7 102, 49814 8 103, 55482 9 104, 61150	190	200, 76955 1 201, 82624 2 202, 88292 3 203, 93960 4 204, 99628 5 206, 05296 6 207, 10964 7 208, 16633 8 209, 22301 9 210, 27969	290	306, 43774 1 307, 49442 2 308, 55111 3 309, 60779 4 310, 66447 5 311, 72115 6 312, 77783 7 313, 83452 8 314, 89120 9 315, 94788	390	412, 10593 1 413, 16261 2 414, 21929 3 415, 27597 4 416, 33266 5 417, 38934 6 418, 44602 7 419, 50270 8 420, 55938 9 421, 61607	490	517, 77412 1 518, 83080 2 519, 88748 3 520, 94416 4 522, 00084 5 523, 05753 6 524, 11421 7 525, 17089 8 526, 22757 9 527, 28425	590	623, 44230 1 624, 49898 2 625, 55567 3 626, 61235 4 627, 66903 5 628, 72571 6 629, 78239 7 630, 83908 8 631, 89576 9 632, 95244	690	729, 11049 1 730, 16717 2 731, 22385 3 732, 28053 4 733, 33722 5 734, 39390 6 735, 45058 7 736, 50726 8 737, 56394 9 738, 62063	790	834, 77567 1 835, 83236 2 836, 88904 3 837, 94572 4 839, 00240 5 840, 05908 6 841, 11577 7 842, 17245 8 843, 22913 9 844, 28581	890	940, 44686 1 941, 50355 2 942, 56023 3 943, 61691 4 944, 67359 5 945, 73027 6 946, 78695 7 947, 84364 8 948, 90032 9 949, 95700	990	1, 046, 11505 1 1, 047, 17173 2 1, 048, 22841 3 1, 049, 28510 4 1, 050, 34178 5 1, 051, 39846 6 1, 052, 45514 7 1, 053, 51182 8 1, 054, 56850 9 1, 055, 62519

CAPACITIES.—GALLONS TO LITERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 gallon = 3.78543497 liters.

Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.		
0	3, 7854	100	378, 5434	200	757, 0869	300	1, 135, 6303	400	1, 514, 1738	500	1, 892, 7172	600	2, 271, 2607	700	2, 649, 8041	800	3, 028, 3476	900	3, 406, 8910
1	7, 5709	1	382, 3289	1	760, 6723	1	1, 139, 4158	1	1, 617, 9592	1	1, 896, 0261	1	2, 275, 0461	1	2, 653, 6896	1	3, 032, 1330	1	3, 410, 6765
2	11, 3563	2	764, 6778	2	1, 432, 8416	2	2, 271, 2607	2	3, 028, 3476	2	3, 785, 4158	2	4, 540, 5214	2	5, 291, 6321	2	6, 042, 7377	2	6, 793, 8433
3	15, 1417	3	1, 135, 6303	3	2, 271, 2607	3	3, 028, 3476	3	3, 785, 4158	3	4, 540, 5214	3	5, 291, 6321	3	6, 042, 7377	3	6, 793, 8433	3	7, 544, 8989
4	18, 9272	4	1, 514, 1738	4	2, 271, 2607	4	3, 028, 3476	4	3, 785, 4158	4	4, 540, 5214	4	5, 291, 6321	4	6, 042, 7377	4	6, 793, 8433	4	7, 544, 8989
5	22, 7126	5	2, 271, 2607	5	3, 028, 3476	5	3, 785, 4158	5	4, 540, 5214	5	5, 291, 6321	5	6, 042, 7377	5	6, 793, 8433	5	7, 544, 8989	5	8, 296, 0045
6	26, 4980	6	3, 406, 8910	6	4, 540, 5214	6	5, 291, 6321	6	6, 042, 7377	6	6, 793, 8433	6	7, 544, 8989	6	8, 296, 0045	6	9, 047, 1101	6	9, 798, 2157
7	30, 2835	7	4, 540, 5214	7	5, 291, 6321	7	6, 042, 7377	7	6, 793, 8433	7	7, 544, 8989	7	8, 296, 0045	7	9, 047, 1101	7	9, 798, 2157	7	10, 548, 3203
8	34, 0689	8	5, 291, 6321	8	6, 042, 7377	8	6, 793, 8433	8	7, 544, 8989	8	8, 296, 0045	8	9, 047, 1101	8	9, 798, 2157	8	10, 548, 3203	8	11, 299, 4259
9	37, 8543	9	6, 793, 8433	9	7, 544, 8989	9	8, 296, 0045	9	9, 047, 1101	9	9, 798, 2157	9	10, 548, 3203	9	11, 299, 4259	9	12, 049, 5315	9	12, 799, 6371
10	41, 6398	110	416, 3978	210	794, 9412	310	1, 173, 4847	410	1, 552, 0281	510	1, 930, 6716	610	2, 309, 1150	710	2, 687, 6585	810	3, 066, 2019	910	3, 444, 7454
1	45, 4252	1	430, 1832	1	798, 7367	1	1, 177, 2701	1	1, 555, 8136	1	1, 934, 3570	1	2, 312, 9005	1	2, 691, 4439	1	3, 069, 9874	1	3, 448, 5308
2	49, 2106	2	432, 9857	2	832, 7266	2	1, 181, 0556	2	1, 559, 5990	2	1, 938, 1425	2	2, 316, 6859	2	2, 695, 2294	2	3, 073, 7728	2	3, 452, 3168
3	52, 9961	3	427, 7541	3	866, 2975	3	1, 184, 8410	3	1, 563, 3844	3	1, 941, 9279	3	2, 320, 4713	3	2, 699, 0148	3	3, 077, 5582	3	3, 456, 1017
4	56, 7815	4	431, 5395	4	908, 2975	4	1, 188, 6264	4	1, 567, 1699	4	1, 945, 7183	4	2, 324, 2566	4	2, 702, 8002	4	3, 081, 3437	4	3, 459, 8871
5	60, 5670	5	435, 3250	5	946, 0830	5	1, 192, 4119	5	1, 570, 9553	5	1, 949, 4988	5	2, 328, 0422	5	2, 706, 5867	5	3, 085, 1291	5	3, 463, 6726
6	64, 3524	6	439, 1104	6	983, 8684	6	1, 196, 1973	6	1, 574, 7408	6	1, 953, 2842	6	2, 332, 8276	6	2, 710, 3711	6	3, 089, 9145	6	3, 467, 4580
7	68, 1378	7	442, 8018	7	1, 021, 6539	7	1, 200, 9827	7	1, 578, 5262	7	1, 957, 0686	7	2, 336, 6131	7	2, 714, 1565	7	3, 093, 7000	7	3, 471, 2434
8	71, 9233	8	446, 6813	8	1, 059, 4408	8	1, 203, 7682	8	1, 582, 3116	8	1, 960, 8551	8	2, 339, 3985	8	2, 717, 9420	8	3, 096, 4854	8	3, 475, 0289
9	75, 7087	9	450, 4667	9	1, 097, 2277	9	1, 207, 6536	9	1, 586, 0971	9	1, 964, 6405	9	2, 343, 1840	9	2, 721, 1274	9	3, 100, 2709	9	3, 478, 8143
20	79, 4941	120	454, 2521	220	832, 7956	320	1, 211, 3390	420	1, 589, 8825	520	1, 968, 4259	620	2, 346, 9694	720	2, 725, 5128	820	3, 104, 0563	920	3, 482, 5997
1	83, 2796	1	458, 0376	1	870, 5121	1	1, 215, 1245	1	1, 593, 3879	1	1, 972, 2114	1	2, 350, 7548	1	2, 729, 2983	1	3, 107, 8417	1	3, 486, 3852
2	87, 0650	2	461, 8230	2	908, 2975	2	1, 218, 9099	2	1, 597, 4234	2	1, 975, 9068	2	2, 354, 5408	2	2, 733, 0897	2	3, 111, 0272	2	3, 490, 1706
3	90, 8504	3	465, 6084	3	946, 0830	3	1, 222, 6953	3	1, 601, 2389	3	1, 979, 7822	3	2, 358, 3257	3	2, 736, 8691	3	3, 116, 4126	3	3, 493, 9560
4	94, 6359	4	469, 3939	4	983, 8684	4	1, 226, 4808	4	1, 605, 0242	4	1, 983, 6677	4	2, 362, 1111	4	2, 740, 6546	4	3, 119, 1980	4	3, 497, 7415
5	98, 4213	5	473, 1793	5	1, 021, 6539	5	1, 230, 2662	5	1, 608, 8097	5	1, 987, 3531	5	2, 365, 8966	5	2, 744, 4400	5	3, 122, 9835	5	3, 501, 5269
6	102, 2067	6	476, 9647	6	1, 059, 4408	6	1, 234, 0516	6	1, 612, 5951	6	1, 991, 1385	6	2, 369, 6820	6	2, 748, 2254	6	3, 126, 7689	6	3, 505, 3123
7	105, 9922	7	480, 7502	7	1, 097, 2277	7	1, 237, 8371	7	1, 616, 3805	7	1, 994, 9240	7	2, 373, 4574	7	2, 752, 0109	7	3, 130, 5543	7	3, 509, 0978
8	109, 7776	8	484, 5356	8	1, 135, 0171	8	1, 241, 6225	8	1, 620, 1660	8	1, 998, 7094	8	2, 377, 2529	8	2, 755, 7963	8	3, 134, 3398	8	3, 512, 8832
9	113, 5630	9	488, 3211	9	1, 172, 8026	9	1, 245, 4079	9	1, 623, 9514	9	2, 002, 4945	9	2, 381, 0383	9	2, 759, 5817	9	3, 138, 1252	9	3, 516, 6686
30	117, 3485	130	492, 1065	230	870, 5121	330	1, 249, 1834	430	1, 627, 7366	530	2, 006, 2803	630	2, 384, 8232	730	2, 763, 3672	830	3, 141, 9106	930	3, 520, 4541
1	121, 1339	1	495, 8919	1	908, 2975	1	1, 252, 9788	1	1, 631, 5223	1	2, 010, 0637	1	2, 388, 0092	1	2, 767, 1596	1	3, 145, 6961	1	3, 524, 2395
2	124, 9193	2	499, 6774	2	946, 0830	2	1, 256, 7643	2	1, 635, 3077	2	2, 013, 8512	2	2, 392, 3046	2	2, 770, 3381	2	3, 149, 4815	2	3, 528, 0250
3	128, 7048	3	503, 4628	3	983, 8684	3	1, 260, 5497	3	1, 639, 0931	3	2, 017, 0366	3	2, 396, 1800	3	2, 774, 7285	3	3, 153, 2669	3	3, 531, 8104
4	132, 4902	4	507, 2482	4	1, 021, 6539	4	1, 264, 3351	4	1, 642, 8786	4	2, 021, 9220	4	2, 399, 9655	4	2, 778, 5089	4	3, 157, 0524	4	3, 535, 5958
5	136, 2756	5	511, 0337	5	1, 059, 4408	5	1, 268, 1206	5	1, 646, 6640	5	2, 025, 2076	5	2, 403, 7509	5	2, 782, 2944	5	3, 160, 8373	5	3, 539, 3813
6	140, 0611	6	514, 8191	6	1, 097, 2277	6	1, 271, 9060	6	1, 650, 4494	6	2, 029, 9929	6	2, 407, 5363	6	2, 786, 0798	6	3, 164, 6232	6	3, 543, 1667
7	143, 8465	7	518, 6045	7	1, 135, 0171	7	1, 275, 6914	7	1, 654, 2349	7	2, 033, 7783	7	2, 411, 3218	7	2, 789, 8652	7	3, 168, 4087	7	3, 546, 9521
8	147, 6319	8	522, 3900	8	1, 172, 8026	8	1, 279, 4769	8	1, 658, 0203	8	2, 038, 5638	8	2, 415, 1072	8	2, 793, 6507	8	3, 172, 1941	8	3, 550, 7376
9	151, 4173	9	526, 1764	9	1, 210, 5881	9	1, 283, 2623	9	1, 661, 8057	9	2, 043, 3492	9	2, 418, 8926	9	2, 797, 4361	9	3, 175, 9765	9	3, 554, 5230
40	155, 2028	140	529, 9608	240	908, 2975	340	1, 297, 0477	440	1, 665, 5912	540	2, 047, 9201	640	2, 422, 6761	740	2, 801, 2215	840	3, 179, 7650	940	3, 568, 3064
1	158, 9882	1	533, 7463	1	946, 0830	1	1, 299, 8339	1	1, 669, 3767	1	2, 051, 7055	1	2, 426, 4651	1	2, 805, 0550	1	3, 183, 5504	1	3, 562, 0939
2	162, 7737	2	537, 5517	2	983, 8684	2	1, 303, 6196	2	1, 673, 1620	2	2, 055, 4900	2	2, 430, 2489	2	2, 808, 7934	2	3, 187, 3358	2	3, 565, 8793
3	166, 5591	3	541, 3171	3	1, 021, 6539	3	1, 307, 4057	3	1, 676, 9475	3	2, 060, 2754	3	2, 434, 0344	3	2, 812, 5778	3	3, 191, 1213	3	3, 569, 6647
4	170, 3446	4	545, 1026	4	1, 059, 4408	4	1, 311, 1912	4	1, 680, 7329	4	2, 065, 0609	4	2, 437, 8198	4	2, 816, 3633	4	3, 194, 9067	4	3, 573, 4502
5	174, 1300	5	548, 8880	5	1, 097, 2277	5	1, 315, 9769	5	1, 684, 5184	5	2, 069, 8478	5	2, 441, 6053	5	2, 820, 1487	5	3, 198, 6921	5	3, 577, 2356
6	177, 9154	6	552, 6734	6	1, 135, 0171	6	1, 319, 7624	6	1, 688, 3038	6	2, 073, 6327	6	2, 445, 3907						

50	189, 2717	150	667, 8152	250	946, 8586	350	1, 334, 9021	450	1, 703, 4455	550	2, 081, 9890	650	2, 404, 5224	750	2, 839, 0759	850	3, 217, 6193	950	3, 598, 1628
1	193, 0572	1	571, 0006	1	950, 1441	1	1, 328, 6875	1	1, 707, 2310	1	2, 086, 7744	1	2, 404, 3179	1	2, 842, 8613	1	3, 221, 4048	1	3, 609, 9482
2	196, 8426	2	575, 9860	2	963, 9235	2	1, 332, 4729	2	1, 711, 0164	2	2, 089, 5563	2	2, 408, 1063	2	2, 846, 4407	2	3, 225, 1902	2	3, 603, 7336
3	200, 6280	3	579, 1715	3	967, 7149	3	1, 336, 2584	3	1, 714, 8018	3	2, 093, 3453	3	2, 411, 8887	3	2, 850, 4322	3	3, 228, 9756	3	3, 607, 5191
4	204, 4135	4	582, 9569	4	961, 6004	4	1, 340, 0438	4	1, 718, 5878	4	2, 097, 1307	4	2, 415, 6742	4	2, 854, 2178	4	3, 232, 7611	4	3, 611, 3045
5	208, 1989	5	586, 7423	5	965, 2858	5	1, 343, 8292	5	1, 722, 3727	5	2, 100, 9161	5	2, 419, 4506	5	2, 858, 0030	5	3, 236, 5405	5	3, 615, 0899
6	211, 9843	6	590, 5278	6	969, 0712	6	1, 347, 6147	6	1, 726, 1681	6	2, 104, 7016	6	2, 423, 2450	6	2, 861, 7885	6	3, 240, 3319	6	3, 618, 8754
7	216, 7698	7	594, 3132	7	972, 8567	7	1, 351, 4001	7	1, 729, 9436	7	2, 108, 4705	7	2, 427, 0805	7	2, 865, 5739	7	3, 244, 1174	7	3, 622, 6608
8	219, 5552	8	598, 0987	8	976, 6421	8	1, 355, 1856	8	1, 733, 7290	8	2, 112, 2724	8	2, 430, 8159	8	2, 869, 3593	8	3, 247, 9028	8	3, 626, 4462
9	223, 3406	9	601, 8541	9	980, 4275	9	1, 358, 9709	9	1, 737, 5144	9	2, 116, 0579	9	2, 434, 6013	9	2, 873, 1448	9	3, 251, 0882	9	3, 630, 2317
60	227, 1261	160	605, 6035	260	984, 2130	360	1, 362, 7564	460	1, 741, 2999	560	2, 119, 8433	660	2, 438, 3888	760	2, 876, 9902	860	3, 255, 4737	960	3, 634, 0171
1	230, 9115	1	609, 4560	1	987, 9084	1	1, 366, 5419	1	1, 746, 0853	1	2, 123, 6288	1	2, 442, 1722	1	2, 880, 1157	1	3, 260, 2591	1	3, 637, 8026
2	234, 6969	2	613, 2404	2	991, 7838	2	1, 370, 3273	2	1, 750, 8707	2	2, 127, 4142	2	2, 446, 0595	2	2, 884, 5011	2	3, 264, 0415	2	3, 641, 5880
3	238, 4824	3	617, 0258	3	995, 6693	3	1, 374, 1127	3	1, 754, 6516	3	2, 131, 1966	3	2, 450, 7431	3	2, 888, 2805	3	3, 268, 8300	3	3, 645, 3734
4	242, 2678	4	620, 8113	4	999, 5547	4	1, 377, 8982	4	1, 758, 4416	4	2, 134, 9851	4	2, 454, 5285	4	2, 892, 0720	4	3, 272, 6164	4	3, 649, 1589
5	246, 0532	5	624, 5967	5	1, 003, 1401	5	1, 381, 6836	5	1, 762, 2270	5	2, 138, 7705	5	2, 458, 3139	5	2, 896, 8574	5	3, 276, 4008	5	3, 652, 9443
6	249, 8387	6	628, 3821	6	1, 007, 9256	6	1, 385, 4690	6	1, 766, 0125	6	2, 142, 5559	6	2, 462, 0994	6	2, 899, 6428	6	3, 279, 1863	6	3, 656, 7297
7	253, 6241	7	632, 1676	7	1, 011, 7110	7	1, 389, 2545	7	1, 769, 7979	7	2, 146, 3414	7	2, 466, 8848	7	2, 903, 4283	7	3, 283, 9717	7	3, 660, 5152
8	257, 4095	8	635, 9530	8	1, 014, 4964	8	1, 393, 0399	8	1, 773, 5833	8	2, 150, 1268	8	2, 470, 6702	8	2, 907, 2137	8	3, 287, 7571	8	3, 664, 3006
9	261, 1950	9	639, 7384	9	1, 018, 2819	9	1, 396, 8253	9	1, 777, 3688	9	2, 153, 9122	9	2, 474, 4557	9	2, 910, 9991	9	3, 291, 5425	9	3, 668, 0860
70	264, 9801	170	643, 5239	270	1, 022, 0673	370	1, 400, 6108	470	1, 779, 1542	570	2, 157, 6977	670	2, 482, 2411	770	2, 914, 7846	870	3, 298, 3280	970	3, 671, 8715
1	268, 7658	1	647, 3093	1	1, 025, 8527	1	1, 404, 3962	1	1, 782, 9396	1	2, 161, 4831	1	2, 486, 0265	1	2, 918, 5700	1	3, 297, 1134	1	3, 675, 6569
2	272, 5513	2	651, 0947	2	1, 029, 6382	2	1, 408, 1816	2	1, 786, 7251	2	2, 165, 2685	2	2, 490, 8120	2	2, 922, 3554	2	3, 300, 9889	2	3, 679, 4423
3	276, 3367	3	654, 8802	3	1, 033, 4235	3	1, 411, 9671	3	1, 790, 5105	3	2, 169, 0540	3	2, 494, 5974	3	2, 926, 1409	3	3, 304, 6843	3	3, 683, 2278
4	280, 1222	4	658, 6656	4	1, 037, 2091	4	1, 415, 7525	4	1, 794, 2960	4	2, 172, 8394	4	2, 498, 3829	4	2, 930, 9263	4	3, 308, 4697	4	3, 687, 0132
5	283, 9076	5	662, 4510	5	1, 040, 9945	5	1, 419, 5379	5	1, 798, 0814	5	2, 176, 6248	5	2, 502, 1683	5	2, 934, 7117	5	3, 312, 2552	5	3, 690, 7986
6	287, 6930	6	666, 2365	6	1, 044, 7799	6	1, 423, 3234	6	1, 801, 8668	6	2, 180, 4103	6	2, 506, 9537	6	2, 938, 4972	6	3, 316, 0406	6	3, 694, 5841
7	291, 4785	7	670, 0219	7	1, 048, 5553	7	1, 427, 1088	7	1, 805, 6523	7	2, 184, 1957	7	2, 510, 7392	7	2, 942, 2826	7	3, 319, 8261	7	3, 698, 3695
8	295, 2639	8	673, 8073	8	1, 052, 3508	8	1, 430, 8942	8	1, 809, 4377	8	2, 187, 9811	8	2, 514, 5246	8	2, 946, 0680	8	3, 323, 6115	8	3, 702, 1549
9	299, 0493	9	677, 5928	9	1, 056, 1362	9	1, 434, 6797	9	1, 813, 2231	9	2, 191, 7666	9	2, 518, 3100	9	2, 949, 8535	9	3, 327, 3969	9	3, 705, 9404
80	302, 8348	180	681, 3762	280	1, 059, 9217	380	1, 438, 4651	480	1, 817, 0066	580	2, 195, 5520	680	2, 514, 0955	780	2, 952, 6389	880	3, 331, 1834	980	3, 709, 7258
1	306, 6202	1	685, 1636	1	1, 063, 7071	1	1, 442, 2506	1	1, 820, 7940	1	2, 199, 3374	1	2, 518, 8809	1	2, 956, 4243	1	3, 334, 9678	1	3, 713, 5112
2	310, 4056	2	688, 9491	2	1, 067, 4925	2	1, 446, 0360	2	1, 824, 5794	2	2, 203, 1229	2	2, 522, 6663	2	2, 960, 2098	2	3, 338, 7532	2	3, 717, 2967
3	314, 1911	3	692, 7345	3	1, 071, 2780	3	1, 449, 8214	3	1, 828, 3618	3	2, 206, 9083	3	2, 526, 4518	3	2, 964, 9952	3	3, 342, 5387	3	3, 721, 0821
4	317, 9765	4	696, 5199	4	1, 075, 0634	4	1, 453, 6068	4	1, 832, 1503	4	2, 210, 6937	4	2, 530, 2372	4	2, 968, 7806	4	3, 346, 3241	4	3, 724, 8675
5	321, 7619	5	700, 3054	5	1, 078, 8488	5	1, 457, 3923	5	1, 835, 9357	5	2, 214, 4792	5	2, 534, 0226	5	2, 972, 5661	5	3, 350, 1095	5	3, 728, 6530
6	325, 5474	6	704, 0908	6	1, 082, 6343	6	1, 461, 1777	6	1, 839, 7212	6	2, 218, 2646	6	2, 538, 8081	6	2, 976, 3515	6	3, 353, 8950	6	3, 732, 4394
7	329, 3328	7	707, 8763	7	1, 086, 4197	7	1, 465, 9632	7	1, 843, 5066	7	2, 222, 0500	7	2, 542, 5935	7	2, 980, 1869	7	3, 357, 6804	7	3, 736, 2238
8	333, 1182	8	711, 6517	8	1, 090, 2051	8	1, 469, 7486	8	1, 847, 2920	8	2, 225, 8355	8	2, 546, 3789	8	2, 984, 9224	8	3, 361, 4658	8	3, 740, 0093
9	336, 9037	9	715, 4471	9	1, 093, 9906	9	1, 473, 5340	9	1, 851, 0775	9	2, 229, 6209	9	2, 550, 1644	9	2, 988, 7078	9	3, 365, 2513	9	3, 743, 7947
90	340, 6891	190	719, 2826	290	1, 097, 7760	390	1, 476, 3195	490	1, 854, 8630	590	2, 233, 4064	690	2, 511, 9498	790	2, 990, 4933	890	3, 369, 0367	990	3, 747, 5802
1	344, 4745	1	723, 0180	1	1, 101, 5614	1	1, 480, 1049	1	1, 858, 6483	1	2, 237, 1918	1	2, 515, 7352	1	2, 994, 2787	1	3, 372, 8221	1	3, 751, 3656
2	348, 2600	2	726, 8034	2	1, 105, 3469	2	1, 483, 8903	2	1, 862, 4338	2	2, 240, 9772	2	2, 519, 5207	2	2, 998, 0641	2	3, 376, 6076	2	3, 755, 1510
3	352, 0454	3	730, 5889	3	1, 109, 1323	3	1, 487, 6758	3	1, 866, 2192	3	2, 244, 7627	3	2, 523, 3061	3	3, 001, 8496	3	3, 380, 3930	3	3, 758, 9665
4	355, 8308	4	734, 3743	4	1, 112, 9177	4	1, 491, 4612	4	1, 870, 0046	4	2, 248, 5481	4	2, 527, 0916	4	3, 005, 6350	4	3, 384, 1784	4	3, 762, 7219
5	359, 6163	5	738, 1597	5	1, 116, 7032	5	1, 495, 2466	5	1, 873, 7901	5	2, 252, 3335	5	2, 531, 8770	5	3, 009, 4204	5	3, 387, 9639	5	3, 766, 5073
6	363, 4017	6	741, 9462	6	1, 120, 4886	6	1, 499, 0321	6	1, 877, 5755	6	2, 256, 1190	6	2, 535, 6624	6	3, 013, 2059	6	3, 391, 7493	6	3, 770, 2928
7	367, 1871	7	745, 7306	7	1, 124, 2740	7	1, 502, 8175	7	1, 881, 3609	7	2, 259, 9044	7	2, 539, 4478	7	3, 016, 9917	7	3, 395, 5347	7	3, 774, 0782
8	370, 9726	8	749, 5160	8	1, 128, 0595	8	1, 506, 6029	8	1, 885, 1464	8	2, 263, 6898	8	2, 543, 2333	8	3, 020, 7767	8	3, 399, 3202	8	3, 777, 8636
9	374, 7580	9	753, 3015	9	1, 131, 8449	9	1, 510, 3884	9	1, 888, 9318	9	2, 267, 4753	9	2, 547, 0187	9	3, 024, 5622	9	3, 403, 1066	9	3, 781, 6491

CAPACITIES.—LITERS TO GALLONS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 liter = 0.2641704673 gallon.

Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.	Liters.	Gallons.
0	2.6417	100	26.41705	200	52.83409	300	79.25114	400	105.66819	500	132.08523	600	158.50228	700	184.91933	800	211.33637	900	237.75342
1	.62841	1	26.68122	1	53.08926	1	79.51531	1	105.93236	1	132.34940	1	158.70445	1	185.18550	1	211.60054	1	238.01759
2	.62841	2	26.94393	2	53.61670	2	79.77994	2	106.19653	2	132.61587	2	158.96358	2	185.44767	2	211.86411	2	238.28176
3	.62841	3	27.20666	3	53.69078	3	80.04365	3	106.46070	3	132.87715	3	159.22947	3	186.71184	3	212.12589	3	238.54658
4	.62841	4	27.47373	4	53.99078	4	80.30782	4	106.72487	4	133.14192	4	159.50896	4	186.97860	4	212.39306	4	238.81010
5	1.29085	5	27.73790	5	54.15495	5	80.57199	5	106.98904	5	133.40609	5	159.82313	5	186.24018	5	212.65723	5	239.07427
6	1.58602	6	28.00207	6	54.41912	6	80.83616	6	107.25321	6	133.67025	6	160.06730	6	186.50435	6	212.92140	6	239.33844
7	1.84919	7	28.26624	7	54.68329	7	81.10033	7	107.51738	7	133.93413	7	160.33147	7	186.76352	7	213.18557	7	239.60261
8	2.11336	8	28.53448	8	54.94746	8	81.36450	8	107.78155	8	134.19860	8	160.59584	8	187.03269	8	213.44974	8	239.86678
9	2.37753	9	28.80458	9	55.21163	9	81.62867	9	108.04572	9	134.46277	9	160.86191	9	187.29586	9	213.71391	9	240.13095
10	2.6417	110	29.05875	210	55.47560	310	81.89284	410	108.30989	510	134.72984	610	161.14399	710	187.56103	810	213.97808	910	240.39513
1	.96588	1	29.32992	1	56.04314	1	82.15702	1	108.57406	1	134.99111	1	161.40816	1	187.82520	1	214.24225	1	240.65900
2	3.17065	2	29.57709	2	56.60414	2	82.42119	2	108.83823	2	135.25928	2	161.67233	2	188.08937	2	214.50642	2	240.92347
3	3.43482	3	29.82526	3	57.17768	3	82.68536	3	109.10240	3	135.51548	3	161.93550	3	188.35364	3	214.77059	3	241.18704
4	3.69899	4	30.07343	4	56.63248	4	82.94953	4	109.36657	4	135.78932	4	162.20057	4	188.61771	4	215.03476	4	241.45181
5	3.96316	5	30.32960	5	57.19665	5	83.21370	5	109.63074	5	136.04779	5	162.46484	5	188.88188	5	215.29893	5	241.71598
6	4.22733	6	30.58377	6	57.70082	6	83.47787	6	109.89491	6	136.31196	6	162.72901	6	189.14605	6	215.56310	6	241.98015
7	4.49150	7	30.84994	7	58.25439	7	83.74204	7	110.15903	7	136.57613	7	162.99318	7	189.41023	7	215.82727	7	242.24332
8	4.75567	8	31.11712	8	58.81691	8	84.00621	8	110.42326	8	136.84030	8	163.25744	8	189.67440	8	216.09114	8	242.50849
9	5.01984	9	31.38529	9	59.38333	9	84.27033	9	110.68743	9	137.10447	9	163.52152	9	189.93857	9	216.35561	9	242.77265
20	5.28341	120	31.70046	220	58.11750	320	84.53455	420	110.95160	520	137.36584	620	163.78569	720	190.20274	820	216.61978	920	243.03683
1	5.64768	1	31.96463	1	58.38167	1	84.79872	1	111.21577	1	137.62821	1	164.04985	1	190.46691	1	216.88395	1	243.30170
2	6.01195	2	32.22580	2	58.64584	2	85.06287	2	111.47994	2	137.89698	2	164.31403	2	190.73108	2	217.14512	2	243.56517
3	6.37622	3	32.48707	3	59.10001	3	85.33090	3	111.74411	3	138.16115	3	164.57820	3	190.99525	3	217.41229	3	243.82894
4	6.74049	4	32.75114	4	59.17418	4	85.59123	4	112.00828	4	138.42532	4	164.84237	4	191.25942	4	217.67647	4	244.09351
5	7.10476	5	33.02131	5	59.43936	5	85.85640	5	112.27245	5	138.68950	5	165.10554	5	191.52353	5	217.94064	5	244.35768
6	7.46903	6	33.28448	6	59.70253	6	86.11367	6	112.53662	6	138.95367	6	165.37071	6	191.78776	6	218.20461	6	244.62185
7	7.83330	7	33.54065	7	60.00877	7	86.38374	7	112.80079	7	139.21784	7	165.63488	7	192.05193	7	218.46938	7	244.88602
8	8.19757	8	33.80182	8	60.26087	8	86.64791	8	113.06496	8	139.48201	8	165.89905	8	192.31610	8	218.73315	8	245.15029
9	8.56184	9	34.05799	9	60.49504	9	86.91208	9	113.32913	9	139.74618	9	166.16322	9	192.58027	9	218.99732	9	245.41436
30	8.92611	130	34.32116	230	60.75921	330	87.17625	430	113.59330	530	140.01035	630	166.42789	730	192.84444	830	219.26149	930	245.67853
1	9.29038	1	34.58238	1	61.02338	1	87.44042	1	113.85747	1	140.27452	1	166.69156	1	193.10661	1	219.52566	1	245.94271
2	9.65465	2	34.84360	2	61.28755	2	87.70460	2	114.12104	2	140.53859	2	166.96574	2	193.37278	2	219.78983	2	246.20688
3	10.01892	3	35.10482	3	61.55172	3	87.96877	3	114.38581	3	140.80286	3	167.21991	3	193.63965	3	220.05400	3	246.47105
4	10.38319	4	35.36594	4	61.81589	4	88.23294	4	114.64998	4	141.06703	4	167.48408	4	193.90112	4	220.31817	4	246.73522
5	10.74746	5	35.62801	5	62.08005	5	88.49711	5	114.91415	5	141.33120	5	167.74825	5	194.16529	5	220.58234	5	246.99939
6	11.11173	6	35.88943	6	62.34037	6	88.76128	6	115.17832	6	141.59337	6	168.01242	6	194.42946	6	220.84651	6	247.26356
7	11.47600	7	36.15135	7	62.60540	7	89.02546	7	115.44249	7	141.85964	7	168.27659	7	194.69363	7	221.1068	7	247.52773
8	11.84027	8	36.41362	8	62.87257	8	89.28962	8	115.70666	8	142.12371	8	168.54076	8	194.95780	8	221.37485	8	247.79190
9	12.20454	9	36.67569	9	63.13674	9	89.55379	9	115.97084	9	142.38788	9	168.80493	9	195.22198	9	221.63902	9	248.05607
40	12.56881	140	36.93337	240	63.40001	340	89.81796	440	116.28501	540	142.85205	640	169.00910	740	193.48515	840	221.90319	940	248.32024
1	12.93308	1	37.19458	1	63.65506	1	90.08213	1	116.54918	1	142.91622	1	169.33327	1	195.70382	1	222.16736	1	248.58441
2	13.29735	2	37.45580	2	63.92256	2	90.34690	2	116.81336	2	143.18039	2	169.59744	2	196.01449	2	222.43153	2	248.84858
3	13.66162	3	37.71702	3	64.19342	3	90.61047	3	117.07652	3	143.44456	3	169.86161	3	196.27865	3	222.69570	3	249.11275
4	14.02589	4	38.00056	4	64.45769	4	90.87464	4	117.34189	4	143.70873	4	170.12678	4	196.54283	4	222.95987	4	249.37692
5	14.39016	5	38.26272	5	64.72176	5	91.13881	5	117.60686	5	143.97290	5	170.38995	5	196.80700	5	223.22404	5	249.64109
6	14.75443	6	38.52489	6	64.98693	6	91.40298	6	117.87208	6	144.23708	6	170.65412	6	197.07117	6	223.48822	6	249.90526
7	15.11870	7	38.78701	7	65.25011	7	91.66716	7	118.13420	7	144.50125	7	170.91629	7	197.33534	7	223.75259	7	250.16943
8	15.48297	8	39.04923	8	65.51428	8	91.93132	8	118.39437	8	144.76437	8	171.18246	8	197.59851	8	224.01656	8	250.43350
9	15.84724	9	39.31049	9	65.77845	9	92.19649	9	118.61254	9	145.02959	9	171.44663	9	197.86368	9	224.28073	9	250.69771

50	13. 20852	150	39. 62557	250	66. 04262	350	92. 45966	450	118. 87671	550	145. 29376	650	171. 71080	750	198. 12755	850	224. 64490	950	259. 96194
1	13. 47269	1	39. 88974	1	66. 30679	1	92. 72383	1	119. 14088	1	146. 65703	1	171. 97497	1	198. 39202	1	224. 80007	1	251. 22611
2	13. 73856	2	40. 16391	2	66. 57066	2	92. 98200	2	119. 40505	2	146. 82210	2	172. 23914	2	198. 65619	2	225. 07324	2	251. 49028
3	14. 01013	3	40. 41808	3	66. 85513	3	93. 28217	3	119. 66922	3	146. 08637	3	172. 61332	3	198. 92036	3	225. 33741	3	251. 75446
4	14. 26521	4	40. 68225	4	67. 09930	4	93. 51635	4	119. 93359	4	146. 35044	4	172. 70749	4	199. 16463	4	225. 60158	4	252. 01863
5	14. 52938	5	40. 94642	5	67. 36347	5	93. 78062	5	120. 19766	5	146. 61401	5	173. 05166	5	199. 44870	5	225. 88575	5	252. 26290
6	14. 79355	6	41. 21059	6	67. 62764	6	94. 04469	6	120. 40773	6	146. 87878	6	173. 29583	6	199. 71287	6	226. 12692	6	252. 52697
7	15. 06772	7	41. 47476	7	67. 89181	7	94. 30860	7	120. 72590	7	147. 14295	7	173. 60600	7	199. 97704	7	226. 39404	7	252. 79114
8	15. 32189	8	41. 73893	8	68. 16593	8	94. 57303	8	120. 99007	8	147. 40712	8	173. 82417	8	200. 24121	8	226. 65866	8	253. 07531
9	15. 58606	9	42. 00310	9	68. 42015	9	94. 83720	9	121. 26424	9	147. 67129	9	174. 08834	9	200. 50538	9	226. 92243	9	253. 33948
60	15. 85023	160	42. 26727	260	68. 69432	360	95. 10137	460	121. 51841	560	147. 93546	660	174. 35251	760	200. 78956	860	227. 18660	960	253. 60365
1	16. 11440	1	42. 53145	1	68. 94849	1	95. 36554	1	121. 78259	1	148. 19963	1	174. 61688	1	201. 03373	1	227. 45077	1	253. 87892
2	16. 37857	2	42. 79562	2	69. 21260	2	95. 62971	2	122. 04076	2	148. 46380	2	174. 89085	2	201. 29790	2	227. 71494	2	254. 13199
3	16. 64274	3	43. 05978	3	69. 47683	3	95. 89388	3	122. 31063	3	148. 72797	3	175. 14502	3	201. 56207	3	228. 02328	3	254. 39618
4	16. 90691	4	43. 32396	4	69. 74100	4	96. 15805	4	122. 57610	4	148. 99214	4	175. 40919	4	201. 82624	4	228. 24328	4	254. 66033
5	17. 17108	5	43. 58813	5	70. 00517	5	96. 42222	5	122. 83927	5	149. 25631	5	175. 67336	5	202. 09041	5	228. 50745	5	254. 92450
6	17. 43525	6	43. 85230	6	70. 26934	6	96. 68639	6	123. 10344	6	149. 52043	6	175. 93753	6	202. 35458	6	228. 77102	6	255. 18867
7	17. 69942	7	44. 11647	7	70. 53331	7	96. 95056	7	123. 36761	7	149. 78466	7	176. 20170	7	202. 61875	7	229. 03580	7	255. 45284
8	17. 96359	8	44. 38094	8	70. 79769	8	97. 21473	8	123. 63178	8	150. 04883	8	176. 46587	8	202. 88292	8	229. 29907	8	255. 71701
9	18. 22776	9	44. 64431	9	71. 06186	9	97. 47890	9	123. 89635	9	160. 31300	9	176. 73004	9	203. 14709	9	229. 56414	9	255. 96118
70	18. 49193	170	44. 90898	270	71. 32603	370	97. 74307	470	124. 16012	570	150. 57717	670	176. 99421	770	203. 41126	870	229. 82831	970	256. 24535
1	18. 75610	1	45. 17315	1	71. 59020	1	98. 00724	1	124. 42429	1	150. 84134	1	177. 25838	1	203. 67543	1	230. 09248	1	256. 50452
2	19. 02027	2	45. 43732	2	71. 85437	2	98. 27141	2	124. 68846	2	151. 10531	2	177. 52255	2	203. 93960	2	230. 35665	2	256. 77369
3	19. 28474	3	45. 70149	3	72. 11854	3	98. 53558	3	124. 95263	3	151. 36968	3	177. 78672	3	204. 20377	3	230. 62082	3	257. 03786
4	19. 54861	4	45. 96566	4	72. 38271	4	98. 79975	4	125. 21680	4	151. 63385	4	178. 05089	4	204. 46794	4	230. 88409	4	257. 30204
5	19. 81279	5	46. 22983	5	72. 64688	5	99. 06393	5	125. 48097	5	151. 89802	5	178. 31507	5	204. 73211	5	231. 14916	5	257. 56621
6	20. 07696	6	46. 49400	6	72. 91105	6	99. 32810	6	125. 74514	6	152. 16219	6	178. 57924	6	204. 99628	6	231. 41333	6	257. 83038
7	20. 34113	7	46. 75817	7	73. 17522	7	99. 59227	7	126. 00931	7	152. 42636	7	178. 84341	7	205. 26045	7	231. 67750	7	258. 09455
8	20. 60530	8	47. 02234	8	73. 43959	8	99. 85644	8	126. 27348	8	152. 69053	8	179. 10758	8	205. 52462	8	231. 94167	8	258. 35872
9	20. 86947	9	47. 28631	9	73. 70356	9	100. 12061	9	126. 53765	9	152. 95470	9	179. 37175	9	205. 78879	9	232. 20584	9	258. 62289
80	21. 13364	180	47. 55088	280	73. 96773	380	100. 38478	480	126. 80182	580	153. 21887	680	179. 63592	780	206. 05296	880	232. 47001	980	258. 88706
1	21. 39781	1	47. 81435	1	74. 23190	1	100. 64895	1	127. 06599	1	153. 48304	1	179. 90009	1	206. 31713	1	232. 73413	1	259. 15123
2	21. 66198	2	48. 07903	2	74. 49607	2	100. 91312	2	127. 33017	2	153. 74721	2	180. 16426	2	206. 58131	2	232. 98835	2	259. 41540
3	21. 92615	3	48. 34320	3	74. 76024	3	101. 17729	3	127. 59434	3	154. 01138	3	180. 42843	3	206. 84548	3	233. 26252	3	259. 67957
4	22. 19032	4	48. 60737	4	75. 02441	4	101. 44146	4	127. 85951	4	154. 27555	4	180. 69260	4	207. 10965	4	233. 52609	4	259. 94374
5	22. 45449	5	48. 87154	5	75. 28858	5	101. 70563	5	128. 12268	5	154. 53972	5	180. 95677	5	207. 37382	5	233. 79080	5	260. 20791
6	22. 71866	6	49. 13571	6	75. 55275	6	101. 96980	6	128. 38685	6	154. 80389	6	181. 22094	6	207. 63799	6	234. 05503	6	260. 47208
7	22. 98283	7	49. 39988	7	75. 81692	7	102. 23397	7	128. 65102	7	155. 06800	7	181. 48511	7	207. 90216	7	234. 31920	7	260. 73825
8	23. 24700	8	49. 66405	8	76. 08109	8	102. 49314	8	128. 91519	8	155. 33223	8	181. 74928	8	208. 16653	8	234. 58337	8	261. 00042
9	23. 51117	9	49. 92822	9	76. 34527	9	102. 75251	9	129. 17936	9	155. 59641	9	182. 01345	9	208. 43050	9	234. 84755	9	261. 26459
90	23. 77554	190	50. 19239	290	76. 60944	390	103. 02648	490	129. 44353	590	155. 86058	690	182. 27762	790	208. 69467	890	235. 11172	990	261. 52575
1	24. 03951	1	50. 45656	1	76. 87361	1	103. 29005	1	129. 70770	1	156. 12475	1	182. 54179	1	208. 95854	1	235. 37589	1	261. 79293
2	24. 30368	2	50. 72073	2	77. 13778	2	103. 55482	2	129. 97187	2	156. 38892	2	182. 80596	2	209. 22301	2	235. 64006	2	262. 05710
3	24. 56795	3	50. 98490	3	77. 40195	3	103. 81899	3	130. 23604	3	156. 65309	3	183. 07013	3	209. 48718	3	235. 90423	3	262. 32127
4	24. 83202	4	51. 24907	4	77. 66612	4	104. 08316	4	130. 50021	4	156. 91726	4	183. 33430	4	209. 75135	4	236. 16840	4	262. 58544
5	25. 09619	5	51. 51324	5	77. 93029	5	104. 34733	5	130. 76438	5	157. 18143	5	183. 59847	5	210. 01532	5	236. 43257	5	262. 84961
6	25. 36036	6	51. 77741	6	78. 19446	6	104. 61151	6	131. 02955	6	157. 44560	6	183. 86285	6	210. 27969	6	236. 69674	6	263. 11379
7	25. 62454	7	52. 04158	7	78. 45863	7	104. 87568	7	131. 29272	7	157. 70977	7	184. 12682	7	210. 54386	7	236. 96091	7	263. 37796
8	25. 88871	8	52. 30575	8	78. 72280	8	105. 13985	8	131. 55689	8	157. 97394	8	184. 39069	8	210. 80803	8	237. 22513	8	263. 64213
9	26. 15288	9	52. 56992	9	78. 98637	9	105. 40402	9	131. 82106	9	158. 23811	9	184. 65516	9	211. 07220	9	237. 48925	9	263. 90630

CAPACITIES.—BUSHEL TO HECTOLITERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 bushel = 0.3523923160 hectoliter.

Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.	Bushels.	Hecto- liters.
0	35.2393	100	70.4785	200	105.7178	300	105.7178	400	140.9571	500	176.1964	600	211.4356	700	246.6749	800	281.9142
1	35.2393	101	70.4806	201	105.7199	301	105.7199	401	140.9592	501	176.1985	601	211.4377	701	246.6770	801	281.9163
2	35.2393	102	70.4827	202	105.7220	302	105.7220	402	140.9613	502	176.1996	602	211.4398	702	246.6791	802	281.9184
3	35.2393	103	70.4848	203	105.7241	303	105.7241	403	140.9634	503	176.2007	603	211.4419	703	246.6812	803	281.9205
4	35.2393	104	70.4869	204	105.7262	304	105.7262	404	140.9655	504	176.2028	604	211.4440	704	246.6833	804	281.9226
5	35.2393	105	70.4890	205	105.7283	305	105.7283	405	140.9676	505	176.2049	605	211.4461	705	246.6854	805	281.9247
6	35.2393	106	70.4911	206	105.7304	306	105.7304	406	140.9697	506	176.2070	606	211.4482	706	246.6875	806	281.9268
7	35.2393	107	70.4932	207	105.7325	307	105.7325	407	140.9718	507	176.2091	607	211.4503	707	246.6896	807	281.9289
8	35.2393	108	70.4953	208	105.7346	308	105.7346	408	140.9739	508	176.2112	608	211.4524	708	246.6917	808	281.9310
9	35.2393	109	70.4974	209	105.7367	309	105.7367	409	140.9760	509	176.2133	609	211.4545	709	246.6938	809	281.9331
10	35.2393	110	70.4995	210	105.7388	310	105.7388	410	140.9781	510	176.2154	610	211.4566	710	246.6959	810	281.9352
11	35.2393	111	70.5016	211	105.7409	311	105.7409	411	140.9802	511	176.2175	611	211.4587	711	246.6980	811	281.9373
12	35.2393	112	70.5037	212	105.7430	312	105.7430	412	140.9823	512	176.2196	612	211.4608	712	246.7001	812	281.9394
13	35.2393	113	70.5058	213	105.7451	313	105.7451	413	140.9844	513	176.2217	613	211.4629	713	246.7022	813	281.9415
14	35.2393	114	70.5079	214	105.7472	314	105.7472	414	140.9865	514	176.2238	614	211.4650	714	246.7043	814	281.9436
15	35.2393	115	70.5100	215	105.7493	315	105.7493	415	140.9886	515	176.2259	615	211.4671	715	246.7064	815	281.9457
16	35.2393	116	70.5121	216	105.7514	316	105.7514	416	140.9907	516	176.2280	616	211.4692	716	246.7085	816	281.9478
17	35.2393	117	70.5142	217	105.7535	317	105.7535	417	140.9928	517	176.2301	617	211.4713	717	246.7106	817	281.9499
18	35.2393	118	70.5163	218	105.7556	318	105.7556	418	140.9949	518	176.2322	618	211.4734	718	246.7127	818	281.9520
19	35.2393	119	70.5184	219	105.7577	319	105.7577	419	140.9970	519	176.2343	619	211.4755	719	246.7148	819	281.9541
20	35.2393	120	70.5205	220	105.7598	320	105.7598	420	140.9991	520	176.2364	620	211.4776	720	246.7169	820	281.9562
21	35.2393	121	70.5226	221	105.7619	321	105.7619	421	141.0012	521	176.2385	621	211.4797	721	246.7190	821	281.9583
22	35.2393	122	70.5247	222	105.7640	322	105.7640	422	141.0033	522	176.2406	622	211.4818	722	246.7211	822	281.9604
23	35.2393	123	70.5268	223	105.7661	323	105.7661	423	141.0054	523	176.2427	623	211.4839	723	246.7232	823	281.9625
24	35.2393	124	70.5289	224	105.7682	324	105.7682	424	141.0075	524	176.2448	624	211.4860	724	246.7253	824	281.9646
25	35.2393	125	70.5310	225	105.7703	325	105.7703	425	141.0096	525	176.2469	625	211.4881	725	246.7274	825	281.9667
26	35.2393	126	70.5331	226	105.7724	326	105.7724	426	141.0117	526	176.2490	626	211.4902	726	246.7295	826	281.9688
27	35.2393	127	70.5352	227	105.7745	327	105.7745	427	141.0138	527	176.2511	627	211.4923	727	246.7316	827	281.9709
28	35.2393	128	70.5373	228	105.7766	328	105.7766	428	141.0159	528	176.2532	628	211.4944	728	246.7337	828	281.9730
29	35.2393	129	70.5394	229	105.7787	329	105.7787	429	141.0180	529	176.2553	629	211.4965	729	246.7358	829	281.9751
30	35.2393	130	70.5415	230	105.7808	330	105.7808	430	141.0201	530	176.2574	630	211.4986	730	246.7379	830	281.9772
31	35.2393	131	70.5436	231	105.7829	331	105.7829	431	141.0222	531	176.2595	631	211.5007	731	246.7400	831	281.9793
32	35.2393	132	70.5457	232	105.7850	332	105.7850	432	141.0243	532	176.2616	632	211.5028	732	246.7421	832	281.9814
33	35.2393	133	70.5478	233	105.7871	333	105.7871	433	141.0264	533	176.2637	633	211.5049	733	246.7442	833	281.9835
34	35.2393	134	70.5499	234	105.7892	334	105.7892	434	141.0285	534	176.2658	634	211.5070	734	246.7463	834	281.9856
35	35.2393	135	70.5520	235	105.7913	335	105.7913	435	141.0306	535	176.2679	635	211.5091	735	246.7484	835	281.9877
36	35.2393	136	70.5541	236	105.7934	336	105.7934	436	141.0327	536	176.2700	636	211.5112	736	246.7505	836	281.9898
37	35.2393	137	70.5562	237	105.7955	337	105.7955	437	141.0348	537	176.2721	637	211.5133	737	246.7526	837	281.9919
38	35.2393	138	70.5583	238	105.7976	338	105.7976	438	141.0369	538	176.2742	638	211.5154	738	246.7547	838	281.9940
39	35.2393	139	70.5604	239	105.7997	339	105.7997	439	141.0390	539	176.2763	639	211.5175	739	246.7568	839	281.9961
40	35.2393	140	70.5625	240	105.8018	340	105.8018	440	141.0411	540	176.2784	640	211.5196	740	246.7589	840	281.9982
41	35.2393	141	70.5646	241	105.8039	341	105.8039	441	141.0432	541	176.2805	641	211.5217	741	246.7610	841	281.9993
42	35.2393	142	70.5667	242	105.8060	342	105.8060	442	141.0453	542	176.2826	642	211.5238	742	246.7631	842	281.9994
43	35.2393	143	70.5688	243	105.8081	343	105.8081	443	141.0474	543	176.2847	643	211.5259	743	246.7652	843	281.9995
44	35.2393	144	70.5709	244	105.8102	344	105.8102	444	141.0495	544	176.2868	644	211.5280	744	246.7673	844	281.9996
45	35.2393	145	70.5730	245	105.8123	345	105.8123	445	141.0516	545	176.2889	645	211.5301	745	246.7694	845	281.9997
46	35.2393	146	70.5751	246	105.8144	346	105.8144	446	141.0537	546	176.2910	646	211.5322	746	246.7715	846	281.9998
47	35.2393	147	70.5772	247	105.8165	347	105.8165	447	141.0558	547	176.2931	647	211.5343	747	246.7736	847	281.9999
48	35.2393	148	70.5793	248	105.8186	348	105.8186	448	141.0579	548	176.2952	648	211.5364	748	246.7757	848	281.9999
49	35.2393	149	70.5814	249	105.8207	349	105.8207	449	141.0600	549	176.2973	649	211.5385	749	246.7778	849	281.9999
50	35.2393	150	70.5835	250	105.8228	350	105.8228	450	141.0621	550	176.2994	650	211.5406	750	246.7799	850	281.9999
51	35.2393	151	70.5856	251	105.8249	351	105.8249	451	141.0642	551	176.3015	651	211.5427	751	246.7820	851	281.9999
52	35.2393	152	70.5877	252	105.8270	352	105.8270	452	141.0663	552	176.3036	652	211.5448	752	246.7841	852	281.9999
53	35.2393	153	70.5898	253	105.8291	353	105.8291	453	141.0684	553	176.3057	653	211.5469	753	246.7862	853	281.9999
54	35.2393	154	70.5919	254	105.8312	354	105.8312	454	141.0705	554	176.3078	654	211.5490	754	246.7883	854	281.9999
55	35.2393	155	70.5940	255	105.8333	355	105.8333	455	141.0726	555	176.3099	655	211.5511	755	246.7904	855	281.9999
56	35.2393	156	70.5961	256	105.8354	356	105.8354	456	141.0747	556	176.3120	656	211.5532	756	246.7925	856	281.9999
57	35.2393	157	70.5982	257	105.8375	357	105.8375	457	141.0768	557	176.3141	657	211.5553	757	246.7946	857	281.9999
58	35.2393	158	70.6003	258	105.8396	358	105.8396	458	141.0789	558	176.3162	658	211.5574	758	246.7967	858	281.9999
59	35.2393	159	70.6024	259	105.8417	359	105.8417	459	141.0810	559	176.3183	659	211.5595	759	246.7988	859	281.9999
60	35.2393	160	70.6045	260	105.8438	360	105.8438	460	141.0831	560	176.3204	660	211.5616	760	246.8009	860	281.9999
61	35.2393	161	70.6066	261	105.8459	361	105.8459	461	141.0852	561	176.3225	661	211.5637	761	246.8030	861	281.9999
62	35.2393	162	70.6087	262	105.8480	362	105.8480	462	141.0873	562	176.3246	662	211.5658				

50	17, 6194	150	62, 5892 53, 2132 2 18, 3214 3 53, 5631 4 54, 2649	250	88, 0920 1 88, 4360 2 88, 8029 3 89, 1538 4 89, 5078	350	123, 3374 1 123, 6898 2 124, 0427 3 124, 3946 4 124, 7476	450	168, 5767 1 168, 9291 2 169, 2815 3 169, 6339 4 169, 9863	550	193, 8165 1 194, 1684 2 194, 5203 3 194, 8723 4 195, 2262	650	229, 0553 1 229, 4072 2 229, 7591 3 229, 1110 4 229, 4630	750	264, 2946 1 264, 6470 2 264, 9994 3 265, 3517 4 265, 7041	850	299, 5389 1 299, 8829 2 300, 2388 3 300, 5907 4 300, 9436	950	334, 7731 1 335, 1257 2 335, 4776 3 335, 8306 4 336, 1827
5	19, 3816	5	64, 6209	5	89, 8617	5	125, 0945	5	160, 3887	5	195, 5781	5	230, 8172	5	266, 0658	5	301, 2956		
6	19, 7340	6	64, 9732	6	90, 2156	6	125, 4518	6	160, 6412	6	195, 9911	6	231, 1696	6	266, 4087	6	301, 6482		
7	20, 0839	7	55, 3257	7	90, 5645	7	125, 8042	7	161, 0132	7	196, 2920	7	231, 5208	7	266, 7618	7	302, 0004		
8	20, 4387	8	55, 6786	8	90, 9175	8	126, 1563	8	161, 3651	8	196, 6351	8	231, 8747	8	267, 1137	8	302, 3530		
9	20, 7918	9	56, 0304	9	91, 2697	9	126, 5092	9	161, 7189	9	196, 9878	9	232, 2267	9	267, 4665	9	302, 7053		
60	21, 1457	160	56, 3825 56, 7324 2 57, 0876 3 57, 4403 4 57, 7942	260	91, 6213 1 91, 9742 2 92, 3282 3 92, 6821 4 93, 0360	360	120, 8614 1 121, 2153 2 121, 5692 3 121, 9231 4 122, 2769	460	162, 1007 1 162, 4546 2 162, 8085 3 163, 1624 4 163, 5162	560	197, 3398 1 197, 6937 2 198, 0476 3 198, 4015 4 198, 7554	660	232, 5726 1 232, 9265 2 233, 2804 3 233, 6344 4 233, 9883	760	267, 8184 1 268, 1703 2 268, 5253 3 268, 8762 4 269, 2251	860	303, 0572 1 303, 4101 2 303, 7650 3 304, 1150 4 304, 4679	960	338, 2970 1 338, 6490 2 339, 0018 3 339, 3548 4 339, 7067
5	22, 9053	5	58, 1481	5	93, 3840	5	128, 6238	5	163, 8626	5	199, 1014	5	234, 3412	5	269, 5806	5	304, 8179		
6	23, 2579	6	58, 4972	6	93, 7369	6	129, 9757	6	164, 2155	6	199, 4543	6	234, 6932	6	269, 9290	6	305, 1728		
7	23, 6102	7	58, 8460	7	94, 0888	7	129, 3286	7	164, 5645	7	199, 8073	7	235, 0401	7	270, 2829	7	305, 5257		
8	23, 9621	8	59, 1969	8	94, 4417	8	129, 6806	8	164, 9184	8	200, 1512	8	235, 3940	8	270, 6378	8	305, 8796		
9	24, 3150	9	59, 5549	9	94, 7937	9	130, 0326	9	165, 2723	9	200, 5151	9	235, 7507	9	270, 9908	9	306, 2296		
70	24, 6670	170	59, 9078 60, 2597 2 60, 6116 3 60, 9636 4 61, 3183	270	95, 1460 1 95, 4984 2 95, 8508 3 96, 2032 4 96, 5563	370	130, 3554 1 130, 7073 2 131, 0592 3 131, 4111 4 131, 7641	470	165, 6242 1 165, 9761 2 166, 3294 3 166, 6816 4 167, 0349	570	200, 8639 1 201, 2160 2 201, 5680 3 201, 9208 4 202, 2738	670	236, 1039 1 236, 4558 2 236, 8077 3 237, 1607 4 237, 5127	770	271, 3427 1 271, 6946 2 272, 0475 3 272, 3993 4 272, 7524	870	306, 5817 1 306, 9344 2 307, 2864 3 307, 6383 4 307, 9912	970	341, 8210 1 342, 1732 2 342, 5252 3 342, 8781 4 343, 2306
5	26, 4294	5	61, 6874	5	96, 9082	5	132, 1471	5	167, 3859	5	202, 6257	5	237, 8651	5	273, 1043	5	308, 3471		
6	26, 7818	6	62, 0214	6	97, 2604	6	132, 4970	6	167, 7389	6	202, 9786	6	238, 2154	6	273, 4583	6	308, 6994		
7	27, 1342	7	62, 3733	7	97, 6128	7	132, 8509	7	168, 0917	7	203, 3305	7	238, 5694	7	273, 8092	7	309, 0480		
8	27, 4868	8	62, 7252	8	97, 9650	8	133, 2048	8	168, 4437	8	203, 6830	8	238, 9233	8	274, 1611	8	309, 4009		
9	27, 8393	9	63, 0783	9	98, 3176	9	133, 5588	9	168, 7961	9	204, 0354	9	239, 2747	9	274, 5140	9	309, 7532		
80	28, 1943	180	63, 4307 63, 7830 2 64, 1349 3 64, 4879 4 64, 8402	280	98, 6699 1 99, 0228 2 99, 3747 3 99, 7271 4 100, 0796	380	133, 9097 1 134, 2616 2 134, 6140 3 134, 9664 4 135, 3188	480	169, 1455 1 169, 5004 2 169, 8534 3 170, 2057 4 170, 5581	580	204, 3573 1 204, 7103 2 205, 0628 3 205, 4150 4 205, 7674	680	239, 6271 1 239, 9791 2 240, 3310 3 240, 6829 4 241, 0369	780	274, 8660 1 275, 2187 2 275, 5718 3 275, 9237 4 276, 2787	880	310, 1058 1 310, 4587 2 310, 8106 3 311, 1626 4 311, 5152	980	345, 3496 1 345, 6975 2 346, 0475 3 346, 4021 4 346, 7543
5	29, 9539	5	65, 1927	5	100, 4319	5	135, 6712	5	170, 9102	5	206, 1490	5	241, 3898	5	276, 6286	5	311, 8674		
6	30, 3057	6	65, 5450	6	100, 7845	6	136, 0233	6	171, 2629	6	206, 5021	6	241, 7417	6	276, 9807	6	312, 2203		
7	30, 6581	7	65, 8974	7	101, 1367	7	136, 3762	7	171, 6130	7	206, 8548	7	242, 0936	7	277, 3315	7	312, 5723		
8	31, 0107	8	66, 2495	8	101, 4893	8	136, 7284	8	171, 9679	8	207, 2068	8	242, 4465	8	277, 6854	8	312, 9242		
9	31, 3629	9	66, 6024	9	101, 8412	9	137, 0801	9	172, 3209	9	207, 5597	9	242, 7985	9	278, 0373	9	313, 2771		
90	31, 7155	190	66, 9546 67, 3073 2 67, 6592 3 68, 0111 4 68, 3642	290	102, 1032 1 102, 4561 2 102, 8070 3 103, 1589 4 103, 5108	390	137, 4320 1 137, 7859 2 138, 1378 3 138, 4903 4 138, 8427	490	172, 6748 1 173, 0287 2 173, 3797 3 173, 7296 4 174, 0820	590	207, 9176 1 208, 2715 2 208, 6254 3 208, 9793 4 209, 3233	690	243, 1510 1 243, 5044 2 243, 8583 3 244, 2092 4 244, 5661	790	278, 3902 1 278, 7427 2 279, 0951 3 279, 4476 4 279, 7990	890	313, 6291 1 313, 9820 2 314, 3349 3 314, 6878 4 315, 0391	990	348, 8689 1 349, 2218 2 349, 5747 3 349, 9267 4 350, 2786
5	33, 4732	5	68, 1680	5	103, 3588	5	139, 1016	5	174, 4344	5	209, 6737	5	244, 9130	5	280, 1529	5	315, 3917		
6	33, 8271	6	68, 5199	6	103, 7107	6	139, 4536	6	174, 7864	6	210, 0261	6	245, 2654	6	280, 5048	6	315, 7436		
7	34, 1820	7	68, 8718	7	104, 0607	7	139, 8055	7	175, 1382	7	210, 3781	7	245, 6179	7	280, 8570	7	316, 0956		
8	34, 5345	8	69, 2237	8	104, 4136	8	140, 1584	8	175, 4912	8	210, 7300	8	245, 9701	8	281, 2094	8	316, 4475		
9	34, 8689	9	69, 5756	9	104, 7665	9	140, 5113	9	175, 8442	9	211, 0830	9	246, 3228	9	281, 5618	9	316, 8014		

CAPACITIES.—HECTOLITERS TO BUSHEL.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 hectoliter = 2.8374229 bushels.

Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.	Hecto-liters.	Busbels.		
0	2, 837.74	100	283.77423	200	567.54846	300	851.32269	400	1,135.09692	500	1,418.87115	600	1,702.64538	700	1,986.41961	800	2,270.19384	900	2,553.96807		
1	2, 837.74	1	283.77423	1	567.54846	1	851.32269	1	1,135.09692	1	1,418.87115	1	1,702.64538	1	1,986.41961	1	2,270.19384	1	2,553.96807		
2	5, 675.48	2	567.54846	2	1,135.09692	2	1,418.87115	2	1,702.64538	2	2,000.00000	2	2,297.20000	2	2,594.40000	2	2,891.60000	2	3,188.80000	2	3,486.00000
3	8, 513.23	3	851.32269	3	1,418.87115	3	1,702.64538	3	2,000.00000	3	2,297.20000	3	2,594.40000	3	2,891.60000	3	3,188.80000	3	3,486.00000	3	3,783.20000
4	11, 350.97	4	1,135.09692	4	1,418.87115	4	1,702.64538	4	2,000.00000	4	2,297.20000	4	2,594.40000	4	2,891.60000	4	3,188.80000	4	3,486.00000	4	3,783.20000
5	14, 188.71	5	1,418.87115	5	1,702.64538	5	2,000.00000	5	2,297.20000	5	2,594.40000	5	2,891.60000	5	3,188.80000	5	3,486.00000	5	3,783.20000	5	4,079.40000
6	17, 026.45	6	1,702.64538	6	2,000.00000	6	2,297.20000	6	2,594.40000	6	2,891.60000	6	3,188.80000	6	3,486.00000	6	3,783.20000	6	4,079.40000	6	4,375.60000
7	19, 864.20	7	1,986.41961	7	2,297.20000	7	2,594.40000	7	2,891.60000	7	3,188.80000	7	3,486.00000	7	3,783.20000	7	4,079.40000	7	4,375.60000	7	4,671.80000
8	22, 701.94	8	2,270.19384	8	2,553.96807	8	2,837.42290	8	3,125.24636	8	3,422.07932	8	3,716.92368	8	4,012.67604	8	4,303.27840	8	4,593.88116	8	4,884.48492
9	25, 539.68	9	2,539.68007	9	2,839.69236	9	3,139.90765	9	3,430.11294	9	3,720.21822	9	4,010.42850	9	4,299.93378	9	4,589.43906	9	4,878.94434	9	5,168.44962
10	28, 377.42	10	3,125.24636	10	3,422.07932	10	3,716.92368	10	4,012.67604	10	4,303.27840	10	4,593.88116	10	4,884.48492	10	5,168.44962	10	5,457.95488	10	5,747.46016
11	31, 215.17	11	3,418.11294	11	3,710.42850	11	4,001.93378	11	4,291.43906	11	4,581.94434	11	4,871.94962	11	5,161.95488	11	5,451.96016	11	5,741.96544	11	6,031.97072
12	34, 052.91	12	3,705.48492	12	4,006.92368	12	4,301.93378	12	4,591.94434	12	4,881.94962	12	5,171.95488	12	5,461.96016	12	5,751.96544	12	6,041.97072	12	6,331.97600
13	36, 888.65	13	3,991.93378	13	4,297.43906	13	4,592.94434	13	4,882.94962	13	5,172.95488	13	5,462.96016	13	5,752.96544	13	6,042.97072	13	6,332.97600	13	6,622.98128
14	39, 724.39	14	4,282.94434	14	4,588.43906	14	4,879.43906	14	5,169.43906	14	5,459.43906	14	5,749.43906	14	6,039.43906	14	6,329.43906	14	6,619.43906	14	6,909.43906
15	42, 560.13	15	4,573.95488	15	4,874.96016	15	5,165.96544	15	5,456.97072	15	5,746.97600	15	6,037.98128	15	6,328.98656	15	6,618.99184	15	6,908.99712	15	7,198.00240
16	45, 395.87	16	4,859.46016	16	5,160.46544	16	5,451.47072	16	5,742.47600	16	6,032.48128	16	6,323.48656	16	6,614.49184	16	6,904.49712	16	7,194.50240	16	7,484.50768
17	48, 231.61	17	5,144.96544	17	5,446.97072	17	5,737.97600	17	6,028.98128	17	6,319.98656	17	6,610.99184	17	6,896.99712	17	7,187.00240	17	7,477.00768	17	7,767.01296
18	51, 067.35	18	5,430.47072	18	5,732.97600	18	6,023.98128	18	6,314.98656	18	6,605.99184	18	6,891.99712	18	7,182.00240	18	7,472.00768	18	7,762.01296	18	8,052.01824
19	53, 903.09	19	5,715.97600	19	6,018.98128	19	6,310.98656	19	6,601.99184	19	6,887.99712	19	7,178.00240	19	7,468.00768	19	7,758.01296	19	8,048.01824	19	8,338.02352
20	56, 738.83	20	5,999.48128	20	6,303.98656	20	6,600.99184	20	6,887.99712	20	7,179.00240	20	7,469.00768	20	7,759.01296	20	8,049.01824	20	8,339.02352	20	8,629.02880
21	59, 574.57	21	6,288.98656	21	6,592.99184	21	6,884.99712	21	7,175.00240	21	7,465.00768	21	7,755.01296	21	8,045.01824	21	8,335.02352	21	8,625.02880	21	8,915.03408
22	62, 410.31	22	6,577.99184	22	6,887.99712	22	7,179.00240	22	7,469.00768	22	7,759.01296	22	8,049.01824	22	8,339.02352	22	8,629.02880	22	8,919.03408	22	9,209.03936
23	65, 246.05	23	6,867.00240	23	7,179.00240	23	7,469.00768	23	7,759.01296	23	8,049.01824	23	8,339.02352	23	8,629.02880	23	8,919.03408	23	9,209.03936	23	9,499.04464
24	68, 081.79	24	7,157.00768	24	7,469.00768	24	7,759.01296	24	8,049.01824	24	8,339.02352	24	8,629.02880	24	8,919.03408	24	9,209.03936	24	9,499.04464	24	9,789.04992
25	70, 917.53	25	7,447.01296	25	7,759.01296	25	8,049.01824	25	8,339.02352	25	8,629.02880	25	8,919.03408	25	9,209.03936	25	9,499.04464	25	9,789.04992	25	10,079.05520
26	73, 753.27	26	7,737.01824	26	8,049.01824	26	8,339.02352	26	8,629.02880	26	8,919.03408	26	9,209.03936	26	9,499.04464	26	9,789.04992	26	10,079.05520	26	10,369.06048
27	76, 589.01	27	8,027.02352	27	8,339.02352	27	8,629.02880	27	8,919.03408	27	9,209.03936	27	9,499.04464	27	9,789.04992	27	10,079.05520	27	10,369.06048	27	10,659.06576
28	79, 424.75	28	8,317.02880	28	8,629.02880	28	8,919.03408	28	9,209.03936	28	9,499.04464	28	9,789.04992	28	10,079.05520	28	10,369.06048	28	10,659.06576	28	10,949.07104
29	82, 260.49	29	8,607.03408	29	8,919.03408	29	9,209.03936	29	9,499.04464	29	9,789.04992	29	10,079.05520	29	10,369.06048	29	10,659.06576	29	10,949.07104	29	11,239.07632
30	85, 096.23	30	8,897.03936	30	9,209.03936	30	9,499.04464	30	9,789.04992	30	10,079.05520	30	10,369.06048	30	10,659.06576	30	10,949.07104	30	11,239.07632	30	11,529.08160
31	87, 931.97	31	9,187.04464	31	9,499.04464	31	9,789.04992	31	10,079.05520	31	10,369.06048	31	10,659.06576	31	10,949.07104	31	11,239.07632	31	11,529.08160	31	11,819.08688
32	90, 767.71	32	9,477.05000	32	9,789.04992	32	10,079.05520	32	10,369.06048	32	10,659.06576	32	10,949.07104	32	11,239.07632	32	11,529.08160	32	11,819.08688	32	12,109.09216
33	93, 603.45	33	9,767.05520	33	10,079.05520	33	10,369.06048	33	10,659.06576	33	10,949.07104	33	11,239.07632	33	11,529.08160	33	11,819.08688	33	12,109.09216	33	12,399.09744
34	96, 439.19	34	10,057.06048	34	10,369.06048	34	10,659.06576	34	10,949.07104	34	11,239.07632	34	11,529.08160	34	11,819.08688	34	12,109.09216	34	12,399.09744	34	12,689.10272
35	99, 274.93	35	10,347.06576	35	10,659.06576	35	10,949.07104	35	11,239.07632	35	11,529.08160	35	11,819.08688	35	12,109.09216	35	12,399.09744	35	12,689.10272	35	12,979.10800
36	102, 110.67	36	10,637.07104	36	10,949.07104	36	11,239.07632	36	11,529.08160	36	11,819.08688	36	12,109.09216	36	12,399.09744	36	12,689.10272	36	12,979.10800	36	13,269.11328
37	104, 946.41	37	10,927.07632	37	11,239.07632	37	11,529.08160	37	11,819.08688	37	12,109.09216	37	12,399.09744	37	12,689.10272	37	12,979.10800	37	13,269.11328	37	13,559.11856
38	107, 782.15	38	11,217.08160	38	11,529.08160	38	11,819.08688	38	12,109.09216	38	12,399.09744	38	12,689.10272	38	12,979.10800	38	13,269.11328	38	13,559.11856	38	13,849.12384
39	110, 617.89	39	11,507.08688	39	11,819.08688	39	12,109.09216	39	12,399.09744	39	12,689.10272	39	12,979.10800	39	13,269.11328	39	13,559.11856	39	13,849.12384	39	14,139.12912
40	113, 453.63	40	11,797.09216	40	12,109.09216	40	12,399.09744	40	12,689.10272	40	12,979.10800	40	13,269.11328	40	13,559.11856	40	13,849.12384	40	14,139.12912	40	14,429.13440
41	116, 289.37	41	12,087.09744	41	12,399.09744	41	12,689.10272	41	12,979.10800	41	13,269.11328	41	13,559.11856	41	13,849.12384	41	14,139.12912	41	14,429.13440	41	14,719.13968
42	119, 125.11	42	12,377.10272	42	12,689.10272	42	12,979.10800	42	13,269.11328	42	13,559.11856	42	13,849.12384	42	14,139.12912	42	14,429.13440	42	14,719.13968	42	15,009.14496
43	121, 960.85	43	12,667.10800	43	12,979.10800	43	13,269.11328	43	13,559.11856	43	13,849.12384	43	14,139.12912	43	14,429.13440	43	14,719.13968	43	15,009.14496	43	15,299.15024
44	124, 796.59	44	12,957.11328	44	13,269.11328	44	13,559.11856	44	13,849.12384	44	14,139.12912	44	14,429.13440	44	14,719.13968	44	15,009.14496	44	15,299.15024	44	15,589.15552
45	127, 632.33	45	13,247.11856	45	13,559.11856	45	13,849.12384	45	14,139.12912	45	14,429.13440	45	14,719.13968	45	15,009.14496	45	15,299.15024	45	15,589.15552	45	15,879.16080
46	130, 468.07	46	13,537.12384	46	13,849.12384	46	14,139.12912	46	14,429.13440												

50	141, 88711	150	425, 60134	250	709, 43537	350	993, 20680	450	1, 276, 98403	550	1, 590, 70828	650	1, 844, 53244	750	2, 123, 30672	850	2, 412, 04005	950	2, 695, 95518
1	142, 72486	1	423, 49009	1	712, 27382	1	996, 04755	1	1, 279, 82178	1	1, 593, 69601	1	1, 847, 37024	1	2, 131, 14447	1	2, 414, 01870	1	2, 698, 96293
2	147, 50260	2	431, 59683	2	715, 11106	2	998, 88529	2	1, 282, 65982	2	1, 596, 43375	2	1, 850, 20798	2	2, 136, 08221	2	2, 417, 75544	2	2, 701, 53627
3	150, 40084	3	434, 17457	3	717, 94880	3	1, 001, 72303	3	1, 285, 49726	3	1, 599, 27149	3	1, 853, 81995	3	2, 136, 81995	3	2, 420, 69416	3	2, 704, 30841
4	153, 23608	4	437, 01231	4	720, 78634	4	1, 004, 56077	4	1, 288, 33500	4	1, 572, 10623	4	1, 855, 88348	4	2, 139, 65763	4	2, 423, 43182	4	2, 707, 20615
5	156, 07583	5	439, 85006	5	723, 62429	5	1, 007, 39852	5	1, 291, 17275	5	1, 574, 94098	5	1, 858, 72121	5	2, 142, 49544	5	2, 426, 29387	5	2, 710, 04380
6	158, 91587	6	440, 68780	6	726, 40203	6	1, 010, 23626	6	1, 294, 01649	6	1, 577, 78472	6	1, 861, 55895	6	2, 145, 38318	6	2, 428, 10741	6	2, 712, 04380
7	161, 75131	7	443, 52554	7	729, 25977	7	1, 013, 07400	7	1, 296, 84823	7	1, 580, 02246	7	1, 864, 30609	7	2, 148, 19475	7	2, 431, 10792	7	2, 715, 01864
8	164, 68035	8	446, 36328	8	732, 13761	8	1, 016, 91174	8	1, 299, 65897	8	1, 583, 40290	8	1, 867, 23443	8	2, 151, 00666	8	2, 434, 78290	8	2, 718, 53712
9	167, 42680	9	451, 20103	9	734, 97526	9	1, 018, 74949	9	1, 302, 52372	9	1, 586, 29795	9	1, 870, 07218	9	2, 153, 84440	9	2, 437, 62063	9	2, 721, 39486
60	170, 20454	160	454, 03577	260	737, 81900	360	1, 021, 58723	460	1, 305, 36146	560	1, 589, 13569	660	1, 872, 90992	760	2, 156, 98415	860	2, 440, 46836	960	2, 724, 92951
1	173, 10228	1	456, 87631	1	740, 65074	1	1, 024, 42497	1	1, 308, 19920	1	1, 591, 97343	1	1, 875, 74766	1	2, 159, 82180	1	2, 443, 29012	1	2, 727, 07036
2	176, 94002	2	459, 71435	2	743, 48848	2	1, 027, 26711	2	1, 311, 03904	2	1, 594, 84117	2	1, 878, 58540	2	2, 162, 55093	2	2, 446, 13886	2	2, 729, 90439
3	178, 77776	3	462, 55109	3	746, 32652	3	1, 030, 10045	3	1, 313, 87468	3	1, 597, 69481	3	1, 881, 42814	3	2, 165, 19737	3	2, 448, 67190	3	2, 732, 74583
4	181, 61561	4	465, 38974	4	749, 16397	4	1, 032, 93820	4	1, 316, 71243	4	1, 599, 48666	4	1, 884, 26089	4	2, 168, 03512	4	2, 451, 80085	4	2, 735, 58586
5	184, 45325	5	468, 22748	5	752, 00171	5	1, 035, 77594	5	1, 319, 55017	5	1, 603, 32440	5	1, 887, 09863	5	2, 170, 87286	5	2, 454, 64709	5	2, 738, 49182
6	187, 29069	6	471, 06522	6	754, 83945	6	1, 038, 61368	6	1, 322, 38791	6	1, 606, 16214	6	1, 889, 93637	6	2, 173, 71060	6	2, 457, 48493	6	2, 741, 35006
7	190, 12873	7	473, 90296	7	757, 67719	7	1, 041, 45142	7	1, 325, 22565	7	1, 608, 99888	7	1, 892, 77411	7	2, 176, 54634	7	2, 460, 32257	7	2, 744, 09880
8	192, 96648	8	476, 74071	8	760, 51494	8	1, 044, 28917	8	1, 328, 06340	8	1, 611, 83763	8	1, 895, 61186	8	2, 179, 38609	8	2, 463, 16032	8	2, 746, 93455
9	195, 80422	9	479, 57843	9	763, 35268	9	1, 047, 12691	9	1, 330, 90114	9	1, 614, 67537	9	1, 898, 44990	9	2, 182, 22983	9	2, 485, 99806	9	2, 749, 77229
70	198, 64196	170	482, 41619	270	766, 19042	370	1, 048, 96465	470	1, 333, 73888	570	1, 617, 51311	670	1, 901, 28734	770	2, 185, 06157	870	2, 468, 83590	970	2, 752, 61093
1	201, 47970	1	485, 25383	1	769, 02816	1	1, 052, 80223	1	1, 336, 57662	1	1, 620, 35085	1	1, 904, 12508	1	2, 187, 89931	1	2, 471, 67354	1	2, 755, 44777
2	204, 31745	2	488, 09163	2	771, 86591	2	1, 055, 64014	2	1, 339, 41437	2	1, 623, 18860	2	1, 906, 96592	2	2, 190, 73705	2	2, 474, 51128	2	2, 758, 29551
3	207, 15319	3	490, 92942	3	774, 70365	3	1, 058, 47788	3	1, 342, 25211	3	1, 626, 02634	3	1, 909, 80057	3	2, 193, 57480	3	2, 477, 34903	3	2, 761, 12926
4	209, 99293	4	493, 76716	4	777, 54139	4	1, 061, 31562	4	1, 345, 08965	4	1, 628, 86408	4	1, 912, 63831	4	2, 196, 41254	4	2, 480, 18077	4	2, 763, 96100
5	212, 83067	5	496, 60490	5	780, 37913	5	1, 064, 15386	5	1, 347, 92759	5	1, 631, 70182	5	1, 915, 47605	5	2, 199, 25028	5	2, 483, 02451	5	2, 766, 79874
6	215, 66841	6	499, 44264	6	783, 21687	6	1, 066, 99110	6	1, 350, 76533	6	1, 634, 53956	6	1, 918, 31379	6	2, 202, 08602	6	2, 486, 86225	6	2, 769, 63648
7	218, 50616	7	502, 28039	7	786, 05402	7	1, 069, 82885	7	1, 353, 60308	7	1, 637, 37731	7	1, 921, 15151	7	2, 204, 92977	7	2, 488, 70000	7	2, 772, 47423
8	221, 34390	8	505, 11813	8	788, 89286	8	1, 072, 66659	8	1, 356, 44082	8	1, 640, 21505	8	1, 923, 98928	8	2, 207, 76531	8	2, 491, 53774	8	2, 775, 31197
9	224, 18104	9	507, 95587	9	791, 73010	9	1, 075, 50433	9	1, 359, 27856	9	1, 643, 05279	9	1, 926, 82702	9	2, 210, 60125	9	2, 494, 37546	9	2, 778, 14971
80	227, 01998	180	510, 73981	280	794, 56784	380	1, 078, 34207	480	1, 362, 11630	580	1, 645, 89053	680	1, 929, 66476	780	2, 213, 43899	880	2, 497, 21322	980	2, 780, 98745
1	229, 85713	1	513, 63136	1	797, 40559	1	1, 081, 17952	1	1, 364, 95405	1	1, 648, 72828	1	1, 932, 50251	1	2, 216, 27671	1	2, 500, 05097	1	2, 783, 82590
2	232, 69457	2	516, 46910	2	800, 24333	2	1, 084, 01756	2	1, 367, 79179	2	1, 651, 56602	2	1, 935, 34025	2	2, 219, 11448	2	2, 502, 86571	2	2, 786, 66294
3	235, 53201	3	519, 30654	3	803, 08107	3	1, 086, 85530	3	1, 370, 62953	3	1, 654, 40376	3	1, 938, 17798	3	2, 221, 95222	3	2, 505, 72645	3	2, 789, 60068
4	238, 37035	4	522, 14458	4	805, 91881	4	1, 089, 68304	4	1, 373, 46727	4	1, 657, 24150	4	1, 941, 01573	4	2, 224, 78996	4	2, 508, 56419	4	2, 792, 33942
5	241, 20810	5	524, 98283	5	808, 75656	5	1, 092, 53079	5	1, 376, 30502	5	1, 660, 07924	5	1, 943, 85347	5	2, 227, 62770	5	2, 511, 40193	5	2, 795, 17616
6	244, 04684	6	527, 82007	6	811, 59430	6	1, 095, 36553	6	1, 379, 14276	6	1, 662, 91699	6	1, 946, 69123	6	2, 230, 46545	6	2, 514, 23968	6	2, 798, 01391
7	246, 88398	7	530, 65781	7	814, 43204	7	1, 098, 20627	7	1, 381, 98050	7	1, 665, 75473	7	1, 949, 52895	7	2, 233, 30319	7	2, 517, 07742	7	2, 800, 85165
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9	252, 55906	9	536, 33329	9	820, 10752	9	1, 103, 88175	9	1, 387, 65598	9	1, 671, 43021	9	1, 955, 20444	9	2, 238, 97967	9	2, 522, 75290	9	2, 806, 52713
90	255, 39681	190	539, 17104	290	822, 94527	390	1, 106, 71990	490	1, 390, 49373	590	1, 674, 25795	690	1, 958, 04219	790	2, 241, 81042	890	2, 525, 59065	990	2, 809, 36488
1	258, 23455	1	542, 00878	1	825, 78301	1	1, 109, 55724	1	1, 393, 33147	1	1, 677, 10570	1	1, 960, 87693	1	2, 244, 65816	1	2, 528, 42962	1	2, 812, 20969
2	261, 07229	2	544, 84652	2	828, 62075	2	1, 112, 39498	2	1, 396, 16921	2	1, 679, 94344	2	1, 963, 71767	2	2, 247, 49190	2	2, 531, 26613	2	2, 815, 04036
3	263, 91003	3	547, 68426	3	831, 45849	3	1, 115, 23272	3	1, 399, 06945	3	1, 682, 78118	3	1, 966, 55541	3	2, 250, 32964	3	2, 534, 10387	3	2, 817, 87810
4	266, 74778	4	550, 52201	4	834, 29654	4	1, 118, 07047	4	1, 401, 84470	4	1, 685, 61893	4	1, 969, 39316	4	2, 253, 18789	4	2, 536, 94162	4	2, 820, 71585
5	269, 58552	5	553, 35975	5	837, 13398	5	1, 120, 90821	5	1, 404, 68244	5	1, 688, 45667	5	1, 972, 23090	5	2, 256, 00513	5	2, 539, 77936	5	2, 823, 55359
6	272, 42326	6	556, 19749	6	839, 57172	6	1, 123, 74595	6	1, 407, 52018	6	1, 691, 29441	6	1, 975, 06864	6	2, 258, 84287	6	2, 542, 61710	6	2, 826, 39133
7	275, 26100	7	559, 03523	7	842, 50846	7	1, 126, 63860	7	1, 410, 33792	7	1, 694, 13215	7	1, 977, 90683	7	2, 261, 67061	7	2, 545, 45481	7	2, 829, 22907
8	278, 09875	8	561, 87298	8	845, 64712	8	1, 129, 42144	8	1, 413, 15666	8	1, 696, 96589	8	1, 980, 74412	8	2, 264, 51535	8	2, 548, 29258	8	2, 832, 06781
9	280, 93649	9	564, 71072	9	848, 48495	9	1, 132, 25918	9	1, 416, 03341	9	1, 699, 80764	9	1, 983, 58187	9	2, 267, 35010	9	2, 551, 13063	9	2, 834, 90456

WEIGHTS.—AVOIRDUPOIS POUNDS TO KILOGRAMS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 avoirdupois pound = 0.4535924277 kilogram.

Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.
0	45.35924	100	45.35924	200	90.71849	300	136.07773	400	181.43697	500	226.79621	600	272.15546	700	317.51470	800	362.87394	900	408.28318
1	45.81284	101	45.81284	201	91.17260	301	136.63132	401	181.89056	501	227.24940	601	272.70905	701	317.96829	801	363.32753	901	408.68678
2	46.26643	102	46.26643	202	91.62087	302	136.98491	402	182.34416	502	227.70380	602	273.16360	702	318.42708	802	363.78113	902	409.14037
3	46.72002	103	46.72002	203	92.07026	303	137.33946	403	182.79775	503	228.15699	603	273.61820	703	318.88586	803	364.23472	903	409.59386
4	47.17361	104	47.17361	204	92.51971	304	137.89210	404	183.25134	504	228.61068	604	274.07694	704	319.33907	804	364.68831	904	410.04755
5	47.62720	105	47.62720	205	92.96916	305	138.34659	405	183.70493	505	229.06418	605	274.42342	705	319.78266	805	365.14190	905	410.50115
6	48.08080	106	48.08080	206	93.41861	306	138.79928	406	184.15853	506	229.51777	606	274.87701	706	320.26825	806	365.59550	906	410.95474
7	48.53439	107	48.53439	207	93.86863	307	139.25288	407	184.61212	507	229.97136	607	275.33060	707	320.68985	807	366.04909	907	411.40833
8	48.98798	108	48.98798	208	94.31906	308	139.70647	408	185.06571	508	230.42495	608	275.78420	708	321.14344	808	366.50268	908	411.86192
9	49.44157	109	49.44157	209	94.80082	309	140.16006	409	185.51930	509	230.87855	609	276.23779	709	321.69703	809	366.95627	909	412.31552
10	49.89517	110	49.89517	210	95.25441	310	140.61365	410	185.97290	510	231.33214	610	276.69138	710	322.20562	810	367.40987	910	412.76911
11	50.34876	111	50.34876	211	95.70800	311	141.06725	411	186.42649	511	231.78573	611	277.14497	711	322.56422	811	367.86346	911	413.22270
12	50.80235	112	50.80235	212	96.16159	312	141.52084	412	186.88008	512	232.23932	612	277.59856	712	322.95781	812	368.31705	912	413.67629
13	51.25594	113	51.25594	213	96.61519	313	141.97443	413	187.33367	513	232.69292	613	278.05216	713	323.41140	813	368.77064	913	414.12989
14	51.70954	114	51.70954	214	97.06878	314	142.42802	414	187.78727	514	233.14651	614	278.50675	714	323.86499	814	369.22424	914	414.58348
15	52.16313	115	52.16313	215	97.52237	315	142.88161	415	188.24066	515	233.60010	615	278.95934	715	324.31659	815	369.67783	915	415.03707
16	52.61672	116	52.61672	216	97.97596	316	143.33521	416	188.69445	516	234.05369	616	279.41294	716	324.77218	816	370.13142	916	415.49066
17	53.07031	117	53.07031	217	98.42956	317	143.78880	417	189.14804	517	234.50728	617	279.86553	717	325.25777	817	370.58501	917	415.94326
18	53.52390	118	53.52390	218	98.88315	318	144.24239	418	189.60163	518	234.96088	618	280.32012	718	325.72694	818	371.02964	918	416.39785
19	53.97750	119	53.97750	219	99.33674	319	144.68698	419	190.05523	519	235.41447	619	280.77371	719	326.13296	819	371.53861	919	416.85144
20	54.43109	120	54.43109	220	99.79033	320	145.14958	420	190.50882	520	235.86960	620	281.22731	720	326.58655	820	371.94579	920	417.30603
1	54.88466	121	54.88466	221	100.24393	321	145.60317	421	190.96241	521	236.32165	621	281.68090	721	327.04014	821	372.39938	921	417.75863
2	55.33828	122	55.33828	222	100.69752	322	146.05676	422	191.41600	522	236.77525	622	282.13149	722	327.49373	822	372.85298	922	418.21222
3	55.79187	123	55.79187	223	101.15111	323	146.51035	423	191.86960	523	237.22884	623	282.58508	723	327.94793	823	373.30657	923	418.66581
4	56.24546	124	56.24546	224	101.60470	324	146.96395	424	192.32319	524	237.68243	624	283.04167	724	328.40062	824	373.76016	924	419.11940
5	56.69905	125	56.69905	225	102.05830	325	147.41754	425	192.77678	525	238.13602	625	283.49527	725	328.85451	825	374.21375	925	419.57300
6	57.15265	126	57.15265	226	102.51189	326	147.87113	426	193.23037	526	238.58982	626	283.94856	726	329.30810	826	374.66735	926	420.02659
7	57.60624	127	57.60624	227	102.96548	327	148.32472	427	193.68397	527	239.04321	627	284.40245	727	329.76169	827	375.12094	927	420.48018
8	58.05983	128	58.05983	228	103.41907	328	148.77832	428	194.13756	528	239.49680	628	284.85604	728	330.21529	828	375.57453	928	420.93377
9	58.51342	129	58.51342	229	103.87267	329	149.23191	429	194.59116	529	239.95039	629	285.30964	729	330.68888	829	376.02812	929	421.38737
30	13.60777	130	58.96702	230	104.32626	330	149.68550	430	195.04474	530	240.40899	630	285.76323	730	331.12247	830	376.48371	930	421.84096
1	14.06137	131	59.42061	231	104.77985	331	150.13909	431	195.49834	531	240.85435	631	286.21682	731	331.57606	831	376.93531	931	422.29455
2	14.51496	132	59.87420	232	105.23344	332	150.65298	432	195.95193	532	241.31117	632	286.67041	732	332.02825	832	377.38890	932	422.74814
3	14.96855	133	60.32779	233	105.68704	333	151.04628	433	196.40552	533	241.76476	633	287.12401	733	332.48925	833	377.84249	933	423.20174
4	15.42214	134	60.78139	234	106.14063	334	151.49987	434	196.85911	534	242.21836	634	287.57760	734	332.96884	834	378.29608	934	423.65333
5	15.87573	135	61.23498	235	106.59422	335	151.95346	435	197.31271	535	242.67195	635	288.03119	735	333.39043	835	378.74968	935	424.10692
6	16.32933	136	61.68957	236	107.04781	336	152.40706	436	197.76630	536	243.12554	636	288.48478	736	333.84403	836	379.20327	936	424.56251
7	16.78292	137	62.14216	237	107.50141	337	152.86065	437	198.21989	537	243.57913	637	288.93838	737	334.29762	837	379.65886	937	425.01611
8	17.23651	138	62.59576	238	107.95500	338	153.31424	438	198.67348	538	244.03273	638	289.39197	738	334.75121	838	380.11045	938	425.46970
9	17.69010	139	63.04635	239	108.40659	339	153.76783	439	199.12708	539	244.48632	639	289.84566	739	335.20480	839	380.56405	939	425.92329
40	18.14370	140	63.50294	240	108.86218	340	154.22143	440	199.58067	540	244.93991	640	290.29916	740	335.65840	840	381.01764	940	426.37688
1	18.59729	141	63.95653	241	109.31578	341	154.67502	441	200.03428	541	245.39350	641	290.76275	741	336.11198	841	381.47123	941	426.83047
2	19.05088	142	64.41012	242	109.76937	342	155.12861	442	200.48785	542	245.84710	642	291.21634	742	336.56558	842	381.92482	942	427.28407
3	19.50447	143	64.86372	243	110.22296	343	155.58220	443	200.94145	543	246.30069	643	291.65993	743	337.01917	843	382.37842	943	427.73766
4	19.95807	144	65.31731	244	110.67655	344	156.03580	444	201.39604	544	246.75428	644	292.11862	744	337.47277	844	382.83201	944	428.19125
5	20.41166	145	65.77090	245	111.13014	345	156.48939	445	201.84863	545	247.20787	645	292.56712	745	337.92636	845	383.28560	945	428.64484
6	20.86525	146	66.22449	246	111.58374	346	156.94298	446	202.30222	546	247.66147	646	293.02071	746	338.37965	846	383.73919	946	429.09844
7	21.31854	147	66.67809	247	112.03733	347	157.39667	447	202.75582	547	248.11506	647	293.47430	747	338.83854	847	384.19279	947	429.55203
8	21.77244	148	67.13168	248	112.49092	348	157.85016	448	203.20941	548	248.58865	648	293.92789	748	339.29714	848	384.64638	948	430.00562
9	22.22603	149	67.58527	249	112.94451	349	158.30376	449	203.66300	549	249.09224	649	294.38149	749	339.74073	849	385.09937	949	430.45921

50	22, 67962 1 23, 13321 2 28, 36661 3 24, 04040 4 24, 49399	150	68, 03886 1 68, 49746 2 68, 91605 3 69, 39664 4 69, 85323	250	113, 39811 1 113, 89170 2 114, 30629 3 114, 75888 4 115, 21248	350	158, 78736 1 159, 21094 2 159, 66453 3 160, 11813 4 160, 57172	450	204, 11659 1 204, 67018 2 205, 12378 3 205, 47787 4 205, 93096	550	249, 47584 1 249, 92943 2 250, 38302 3 250, 83661 4 251, 29020	650	294, 83608 1 295, 28867 2 295, 74226 3 296, 19586 4 296, 64945	750	340, 11432 1 340, 64791 2 341, 10151 3 341, 55510 4 342, 00869	850	385, 55356 1 386, 00716 2 386, 46075 3 386, 91434 4 387, 36793	950	430, 91283 1 431, 36640 2 431, 81999 3 432, 27358 4 432, 72718
5	24, 94768	5	70, 80683	5	115, 66807	5	161, 02531	5	206, 88455	5	297, 10304	5	342, 46228	5	387, 82153	5	433, 18077		
6	25, 40118	6	70, 76042	6	116, 11866	6	161, 47890	6	206, 83815	6	297, 55663	6	342, 91588	6	388, 27512	6	433, 63496		
7	25, 85477	7	71, 21401	7	116, 67325	7	161, 62950	7	207, 29174	7	298, 01022	7	343, 46947	7	388, 72711	7	433, 08795		
8	26, 30636	8	71, 66760	8	117, 02885	8	162, 38009	8	207, 74333	8	298, 44392	8	343, 82506	8	389, 18290	8	434, 64155		
9	26, 76185	9	72, 12120	9	117, 48044	9	162, 83968	9	208, 10892	9	299, 55817	9	344, 27465	9	389, 63590	9	434, 98514		
60	27, 21555	160	72, 57479	260	117, 93103	360	163, 29327	460	208, 62532	560	254, 01176	660	299, 37100	760	344, 73025	860	390, 08949		
1	27, 66910	1	73, 02858	1	118, 38762	1	163, 74687	1	209, 16011	1	254, 46535	1	299, 82459	1	345, 18384	1	390, 54308		
2	28, 12273	2	73, 48197	2	118, 84122	2	164, 20046	2	209, 60370	2	254, 91894	2	300, 27819	2	345, 63743	2	390, 99667		
3	28, 57682	3	73, 93557	3	119, 29481	3	164, 65405	3	210, 01329	3	255, 37254	3	300, 73178	3	346, 09102	3	391, 45027		
4	29, 02992	4	74, 38916	4	119, 74840	4	165, 10764	4	210, 46689	4	255, 82613	4	301, 18537	4	346, 54401	4	391, 90386		
5	29, 48351	5	74, 84275	5	120, 20199	5	165, 56124	5	210, 92048	5	256, 27972	5	301, 63896	5	346, 99821	5	392, 35745		
6	29, 93710	6	75, 29634	6	120, 65538	6	166, 01453	6	211, 37407	6	256, 73331	6	302, 09256	6	347, 45180	6	392, 81104		
7	30, 39069	7	75, 74994	7	121, 10918	7	166, 46842	7	211, 82766	7	257, 18691	7	302, 54615	7	347, 90539	7	393, 26463		
8	30, 84429	8	76, 20353	8	121, 56277	8	166, 92201	8	212, 28126	8	257, 64050	8	302, 99974	8	348, 35898	8	393, 71823		
9	31, 29788	9	76, 65712	9	122, 01636	9	167, 37561	9	212, 73485	9	258, 09409	9	303, 45333	9	348, 81258	9	394, 17182		
70	31, 75147	170	77, 11071	270	122, 46996	370	167, 82920	470	213, 18844	570	258, 54768	670	303, 90693	770	349, 26617	870	394, 62541		
1	32, 20506	1	77, 56431	1	122, 92355	1	168, 28279	1	213, 64203	1	259, 00128	1	304, 36062	1	349, 71976	1	395, 07900		
2	32, 65865	2	78, 01790	2	123, 37714	2	168, 73638	2	214, 09563	2	259, 45487	2	304, 81411	2	350, 17335	2	395, 53280		
3	33, 11225	3	78, 47149	3	123, 83073	3	169, 18998	3	214, 54922	3	259, 90846	3	305, 26770	3	350, 62795	3	395, 98619		
4	33, 56584	4	78, 92509	4	124, 28433	4	169, 64357	4	215, 00281	4	260, 36205	4	305, 72130	4	351, 08054	4	396, 43978		
5	34, 01943	5	79, 37887	5	124, 73792	5	170, 09716	5	215, 45640	5	260, 81565	5	306, 17489	5	351, 53413	5	396, 89397		
6	34, 47302	6	79, 83227	6	125, 19151	6	170, 55075	6	215, 91000	6	261, 26924	6	306, 62848	6	351, 98772	6	397, 34697		
7	34, 92682	7	80, 28586	7	125, 64510	7	171, 00435	7	216, 36359	7	261, 72283	7	307, 08207	7	352, 44132	7	397, 80056		
8	35, 38021	8	80, 73435	8	126, 09869	8	171, 45794	8	216, 81718	8	262, 17642	8	307, 53567	8	352, 89491	8	398, 25415		
9	35, 83380	9	81, 18304	9	126, 55220	9	171, 91153	9	217, 27077	9	262, 63002	9	307, 98926	9	353, 34850	9	398, 70774		
80	36, 28739	180	81, 64664	280	127, 00588	380	172, 36512	480	217, 72437	580	263, 08361	680	308, 44285	780	353, 80209	880	399, 16134		
1	36, 74099	1	82, 10023	1	127, 45947	1	172, 81871	1	218, 17796	1	263, 53720	1	308, 89644	1	354, 25569	1	399, 61832		
2	37, 19458	2	82, 55352	2	127, 91306	2	173, 27231	2	218, 63155	2	263, 99079	2	309, 35004	2	354, 70928	2	400, 06852		
3	37, 64817	3	83, 00741	3	128, 36666	3	173, 72590	3	219, 08514	3	264, 44439	3	309, 80363	3	355, 16287	3	400, 52211		
4	38, 10176	4	83, 46101	4	128, 82025	4	174, 17949	4	219, 53874	4	264, 89798	4	310, 25722	4	355, 61646	4	400, 97571		
5	38, 55536	5	83, 91460	5	129, 27384	5	174, 63308	5	219, 99232	5	265, 35157	5	310, 71081	5	356, 07006	5	401, 42930		
6	39, 00895	6	84, 36819	6	129, 72743	6	175, 08668	6	220, 44592	6	265, 80516	6	311, 16441	6	356, 52365	6	401, 88289		
7	39, 46254	7	84, 82178	7	130, 18103	7	175, 54027	7	220, 89951	7	266, 25876	7	311, 61800	7	356, 97724	7	402, 33648		
8	39, 91613	8	85, 27538	8	130, 63462	8	175, 99386	8	221, 35310	8	266, 71235	8	312, 07159	8	357, 43063	8	402, 79008		
9	40, 36973	9	85, 72837	9	131, 08821	9	176, 44745	9	221, 80670	9	267, 16594	9	312, 52518	9	357, 88443	9	403, 24367		
90	41, 82391	190	86, 18256	290	131, 54180	390	176, 90105	490	222, 26029	590	267, 61953	690	312, 97878	790	358, 33802	890	403, 69726		
1	41, 27962	1	86, 63615	1	131, 99540	1	177, 35464	1	222, 71388	1	268, 07312	1	313, 43237	1	358, 79161	1	404, 15065		
2	41, 73050	2	87, 08975	2	132, 44899	2	177, 80823	2	223, 16747	2	268, 52672	2	313, 88596	2	359, 24520	2	404, 60445		
3	42, 18410	3	87, 54334	3	132, 90258	3	178, 26102	3	223, 62107	3	268, 98031	3	314, 33955	3	359, 69880	3	405, 05804		
4	42, 63769	4	87, 99693	4	133, 35617	4	178, 71542	4	224, 07466	4	269, 43390	4	314, 79314	4	360, 15239	4	405, 51163		
5	43, 09123	5	88, 45052	5	133, 80977	5	179, 16901	5	224, 52825	5	269, 88749	5	315, 24674	5	360, 60598	5	405, 96522		
6	43, 54487	6	88, 90412	6	134, 26336	6	179, 62260	6	224, 98184	6	270, 34109	6	315, 70033	6	361, 05957	6	406, 41882		
7	43, 99847	7	89, 35771	7	134, 71695	7	180, 07619	7	225, 43544	7	270, 79468	7	316, 15392	7	361, 51316	7	406, 87241		
8	44, 45206	8	89, 81130	8	135, 17054	8	180, 52979	8	225, 88903	8	271, 24827	8	316, 60751	8	361, 96676	8	407, 32600		
9	44, 90565	9	90, 26489	9	135, 62414	9	180, 98338	9	226, 34262	9	271, 70186	9	317, 06111	9	362, 42035	9	407, 77959		
9	45, 35844	9	90, 71864	9	136, 07869	9	181, 43787	9	226, 79711	9	272, 15535	9	317, 51560	9	362, 87484	9	408, 23404		
9	45, 81203	9	91, 17313	9	136, 53324	9	181, 89236	9	227, 25166	9	272, 61084	9	317, 97009	9	363, 32933	9	408, 68853		
9	46, 26562	9	91, 62762	9	136, 98779	9	182, 34685	9	227, 70615	9	273, 06633	9	318, 42458	9	363, 78382	9	409, 14302		
9	46, 71921	9	92, 08211	9	137, 44234	9	182, 80134	9	228, 16064	9	273, 52182	9	318, 87907	9	364, 23831	9	409, 59751		
9	47, 17280	9	92, 53660	9	137, 89683	9	183, 25583	9	228, 61513	9	273, 97631	9	319, 33356	9	364, 69280	9	410, 05200		
9	47, 62639	9	92, 99109	9	138, 35132	9	183, 71032	9	229, 06962	9	274, 43080	9	319, 78805	9	365, 14729	9	410, 50649		
9	48, 08098	9	93, 44558	9	138, 80581	9	184, 16481	9	229, 52411	9	274, 88529	9	320, 24254	9	365, 60178	9	410, 96098		
9	48, 53557	9	93, 90007	9	139, 26030	9	184, 61930	9	230, 07860	9	275, 33978	9	320, 69703	9	366, 05627	9	411, 41547		
9	48, 99016	9	94, 35456	9	139, 71479	9	185, 07379	9	230, 53309	9	275, 79427	9	321, 15152	9	366, 51076	9	411, 87096		
9	49, 44475	9	94, 80905	9	140, 16928	9	185, 52828	9	231, 08758	9	276, 24876	9	321, 60601	9	366, 96525	9	412, 32545		
9	49, 89934	9	95, 26354	9	140, 62377	9	185, 98277	9	231, 54207	9	276, 70325	9	322, 06050	9	367, 41974	9	412, 78094		
9	50, 35393	9	95, 71803	9	141, 07826	9	186, 43726	9	232, 09656	9	277, 15774	9	322, 51503	9	367, 87423	9	413, 23543		
9	50, 80852	9	96, 17252	9	141, 53275	9	186, 89175	9	232, 55105	9	277, 61223	9	322, 96952	9	368, 32872	9	413, 69092		
9	51, 26311	9	96, 62701	9	141, 98724	9	187, 34624	9	233, 00554	9	278, 06672	9	323, 42401	9	368, 78321	9	414, 14541		
9	51, 71770	9	97, 08150	9	142, 44173	9	187, 80073</												

WEIGHTS.—KILOGRAMS TO AVOIRDUPOIS POUNDS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 kilogram = 2.204622341 avoirdupois pounds.

Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.	Kilos.	Pounds.								
0	2, 2046	100	220, 4622	200	440, 9245	300	661, 3867	400	881, 8489	500	1, 102, 3112	600	1, 322, 7734	700	1, 543, 2356	800	1, 763, 6978	900	1, 984, 1601				
1	24, 2508	1	222, 6689	1	443, 1291	1	665, 6913	1	884, 6536	1	1, 104, 5158	1	1, 324, 9780	1	1, 545, 4403	1	1, 766, 9025	1	1, 986, 3847	1	2, 206, 8417		
2	48, 5017	2	244, 7115	2	486, 2582	2	728, 3826	2	1, 169, 3074	2	1, 408, 1036	2	1, 647, 0449	2	1, 885, 8806	2	2, 124, 8050	2	2, 363, 6165	2	2, 602, 4289	2	2, 841, 2513
3	72, 7525	3	267, 0761	3	529, 3869	3	792, 5239	3	1, 047, 4584	3	1, 306, 9850	3	1, 566, 5126	3	1, 825, 0402	3	2, 083, 5678	3	2, 342, 0954	3	2, 600, 6229	3	2, 859, 1505
4	96, 9933	4	289, 2807	4	576, 5132	4	854, 7008	4	1, 131, 2297	4	1, 424, 3394	4	1, 717, 4491	4	2, 010, 5588	4	2, 303, 6685	4	2, 596, 7782	4	2, 889, 8879	4	3, 182, 9976
5	121, 1940	5	311, 4853	5	623, 0640	5	934, 6444	5	1, 241, 9194	5	1, 552, 9894	5	1, 864, 0594	5	2, 175, 1294	5	2, 486, 1994	5	2, 797, 2694	5	3, 108, 3394	5	3, 419, 4094
6	145, 3947	6	335, 6896	6	671, 3144	6	1, 006, 8191	6	1, 317, 1491	6	1, 628, 2191	6	1, 939, 2891	6	2, 250, 3591	6	2, 561, 4291	6	2, 872, 4991	6	3, 183, 5691	6	3, 494, 6391
7	169, 5951	7	359, 8896	7	717, 5144	7	1, 078, 0191	7	1, 389, 2891	7	1, 700, 3591	7	2, 011, 4291	7	2, 322, 4991	7	2, 633, 5691	7	2, 944, 6391	7	3, 255, 7091	7	3, 566, 7791
8	193, 7955	8	384, 0896	8	763, 6144	8	1, 139, 2891	8	1, 450, 3591	8	1, 761, 4291	8	2, 072, 4991	8	2, 383, 5691	8	2, 694, 6391	8	3, 005, 7091	8	3, 316, 7791	8	3, 627, 8491
9	218, 0000	9	408, 2896	9	812, 8144	9	1, 218, 5144	9	1, 529, 5844	9	1, 840, 6544	9	2, 151, 7244	9	2, 462, 7944	9	2, 773, 8644	9	3, 084, 9344	9	3, 396, 0044	9	3, 707, 0744
10	242, 2000	110	242, 5085	210	462, 9707	310	683, 4329	410	903, 8952	510	1, 124, 3574	610	1, 344, 8196	710	1, 565, 2819	810	1, 785, 7441	910	2, 006, 2063				
1	24, 2508	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
2	48, 5017	2	486, 2582	2	972, 3506	2	1, 454, 7144	2	1, 916, 3688	2	2, 378, 9232	2	2, 840, 4776	2	3, 302, 0320	2	3, 763, 5864	2	4, 225, 1408	2	4, 686, 7052		
3	72, 7525	3	728, 3826	3	1, 454, 7144	3	2, 182, 8232	3	2, 644, 3776	3	3, 106, 9320	3	3, 568, 4864	3	4, 030, 0408	3	4, 491, 5952	3	4, 953, 1496	3	5, 414, 7040		
4	96, 9933	4	968, 8448	4	1, 916, 3688	4	2, 378, 9232	4	2, 840, 4776	4	3, 302, 0320	4	3, 763, 5864	4	4, 225, 1408	4	4, 686, 7052	4	5, 147, 2596	4	5, 608, 3140		
5	121, 1940	5	1, 206, 5620	5	2, 378, 9232	5	2, 840, 4776	5	3, 302, 0320	5	3, 763, 5864	5	4, 225, 1408	5	4, 686, 7052	5	5, 147, 2596	5	5, 608, 3140	5	6, 069, 3684		
6	145, 3947	6	1, 454, 7144	6	2, 378, 9232	6	2, 840, 4776	6	3, 302, 0320	6	3, 763, 5864	6	4, 225, 1408	6	4, 686, 7052	6	5, 147, 2596	6	5, 608, 3140	6	6, 069, 3684		
7	169, 5951	7	1, 687, 4865	7	2, 151, 7244	7	2, 633, 5691	7	3, 115, 1294	7	3, 596, 8238	7	4, 079, 8782	7	4, 562, 9326	7	5, 045, 9870	7	5, 529, 0414	7	6, 012, 0958		
8	193, 7955	8	1, 889, 6589	8	2, 383, 6685	8	2, 866, 7230	8	3, 349, 7776	8	3, 830, 8872	8	4, 311, 9968	8	4, 793, 1064	8	5, 274, 2160	8	5, 755, 2704	8	6, 236, 3248		
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10	242, 2000	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
1	24, 2508	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
2	48, 5017	2	486, 2582	2	972, 3506	2	1, 454, 7144	2	1, 916, 3688	2	2, 378, 9232	2	2, 840, 4776	2	3, 302, 0320	2	3, 763, 5864	2	4, 225, 1408	2	4, 686, 7052		
3	72, 7525	3	728, 3826	3	1, 454, 7144	3	2, 182, 8232	3	2, 644, 3776	3	3, 106, 9320	3	3, 568, 4864	3	4, 030, 0408	3	4, 491, 5952	3	4, 953, 1496	3	5, 414, 7040		
4	96, 9933	4	968, 8448	4	1, 916, 3688	4	2, 378, 9232	4	2, 840, 4776	4	3, 302, 0320	4	3, 763, 5864	4	4, 225, 1408	4	4, 686, 7052	4	5, 147, 2596	4	5, 608, 3140		
5	121, 1940	5	1, 206, 5620	5	2, 378, 9232	5	2, 840, 4776	5	3, 302, 0320	5	3, 763, 5864	5	4, 225, 1408	5	4, 686, 7052	5	5, 147, 2596	5	5, 608, 3140	5	6, 069, 3684		
6	145, 3947	6	1, 454, 7144	6	2, 378, 9232	6	2, 840, 4776	6	3, 302, 0320	6	3, 763, 5864	6	4, 225, 1408	6	4, 686, 7052	6	5, 147, 2596	6	5, 608, 3140	6	6, 069, 3684		
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10	242, 2000	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
1	24, 2508	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
2	48, 5017	2	486, 2582	2	972, 3506	2	1, 454, 7144	2	1, 916, 3688	2	2, 378, 9232	2	2, 840, 4776	2	3, 302, 0320	2	3, 763, 5864	2	4, 225, 1408	2	4, 686, 7052		
3	72, 7525	3	728, 3826	3	1, 454, 7144	3	2, 182, 8232	3	2, 644, 3776	3	3, 106, 9320	3	3, 568, 4864	3	4, 030, 0408	3	4, 491, 5952	3	4, 953, 1496	3	5, 414, 7040		
4	96, 9933	4	968, 8448	4	1, 916, 3688	4	2, 378, 9232	4	2, 840, 4776	4	3, 302, 0320	4	3, 763, 5864	4	4, 225, 1408	4	4, 686, 7052	4	5, 147, 2596	4	5, 608, 3140		
5	121, 1940	5	1, 206, 5620	5	2, 378, 9232	5	2, 840, 4776	5	3, 302, 0320	5	3, 763, 5864	5	4, 225, 1408	5	4, 686, 7052	5	5, 147, 2596	5	5, 608, 3140	5	6, 069, 3684		
6	145, 3947	6	1, 454, 7144	6	2, 378, 9232	6	2, 840, 4776	6	3, 302, 0320	6	3, 763, 5864	6	4, 225, 1408	6	4, 686, 7052	6	5, 147, 2596	6	5, 608, 3140	6	6, 069, 3684		
7	169, 5951	7	1, 687, 4865	7	2, 151, 7244	7	2, 633, 5691	7	3, 115, 1294	7	3, 596, 8238	7	4, 079, 8782	7	4, 562, 9326	7	5, 045, 9870	7	5, 529, 0414	7	6, 012, 0958		
8	193, 7955	8	1, 889, 6589	8	2, 383, 6685	8	2, 866, 7230	8	3, 349, 7776	8	3, 830, 8872	8	4, 311, 9968	8	4, 793, 1064	8	5, 274, 2160	8	5, 755, 2704	8	6, 236, 3248		
9	218, 0000	9	2, 084, 9344	9	2, 566, 9894	9	3, 049, 0440	9	3, 530, 1536	9	4, 011, 2080	9	4, 492, 3176	9	4, 973, 4272	9	5, 454, 5368	9	5, 935, 5912	9	6, 416, 6456		
10	242, 2000	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
1	24, 2508	1	244, 7131	1	485, 1753	1	728, 3826	1	968, 8448	1	1, 206, 5620	1	1, 447, 0243	1	1, 687, 4865	1	1, 927, 9487	1	2, 168, 4110	1	2, 408, 8732		
2	48, 5017	2	486, 2582	2	972, 3506	2	1, 454, 7144	2	1, 916, 3688	2	2, 378, 9232	2	2, 840, 4776	2	3, 302, 0320	2	3, 763, 5864	2	4, 225, 1408	2	4, 686, 7052		
3	72, 7525	3	728, 3826	3	1, 454, 7144	3	2, 182, 8232	3	2, 644, 3776	3	3, 106, 9320	3	3, 568, 4864	3	4, 030, 0408	3	4, 491, 5952	3	4, 953, 1496	3	5, 414, 7040		
4	96, 9933	4	968, 8448	4	1, 916, 3688	4	2, 378, 9232	4	2, 840, 4776	4	3, 302, 0320	4	3, 763, 5864	4	4, 225, 1408	4	4, 686, 7052	4	5, 147, 2596	4	5, 608, 3140		
5	121, 1940	5	1, 206, 5620	5	2, 378, 9232	5	2, 840, 4776	5	3, 302, 0320	5	3, 763, 5864	5	4, 225, 1408	5	4, 686, 7052	5	5, 147, 2596	5	5, 608, 3140	5	6, 069, 3684		
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50	110, 2311	150	330, 6934	250	551, 1556	350	771, 6178	450	992, 0801	550	1, 212, 5423	650	1, 433, 2041	750	1, 653, 4698	850	1, 873, 9290	950	2, 094, 3912
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3	116, 8450	3	337, 3072	3	557, 7695	3	778, 2317	3	998, 6939	3	1, 219, 1562	3	1, 439, 6184	3	1, 660, 0804	3	1, 880, 5499	3	2, 101, 0351
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9	130, 0727	9	350, 5350	9	570, 9972	9	791, 4694	9	1, 011, 9217	9	1, 232, 3839	9	1, 452, 8461	9	1, 673, 3084	9	1, 894, 7708	9	2, 113, 2328
60	132, 2773	160	352, 7396	260	573, 2018	360	793, 6040	460	1, 014, 1263	560	1, 234, 5885	660	1, 455, 0507	760	1, 675, 5130	860	1, 895, 9759	960	2, 115, 4374
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5	143, 3005	5	363, 7627	5	584, 2249	5	804, 6872	5	1, 025, 1494	5	1, 245, 6166	5	1, 466, 0739	5	1, 686, 5361	5	1, 906, 9983	5	2, 125, 4606
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70	154, 3236	170	374, 7858	270	595, 2480	370	815, 7102	470	1, 036, 1725	570	1, 256, 6347	670	1, 477, 0970	770	1, 697, 5592	870	1, 918, 0214	970	2, 135, 4837
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4	163, 1421	4	383, 6043	4	604, 0665	4	824, 5288	4	1, 044, 9910	4	1, 265, 4532	4	1, 485, 9155	4	1, 706, 3777	4	1, 926, 8399	4	2, 143, 3022
5	165, 3467	5	385, 8089	5	606, 2711	5	826, 7334	5	1, 047, 1956	5	1, 267, 6573	5	1, 488, 1201	5	1, 708, 5823	5	1, 929, 0445	5	2, 145, 5068
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7	169, 7559	7	390, 2182	7	610, 6804	7	831, 1426	7	1, 051, 6049	7	1, 272, 0671	7	1, 492, 5293	7	1, 712, 9916	7	1, 933, 4536	7	2, 149, 9160
8	171, 9605	8	392, 4228	8	612, 8850	8	833, 3472	8	1, 053, 8095	8	1, 274, 2717	8	1, 494, 7339	8	1, 715, 1962	8	1, 935, 6584	8	2, 151, 1206
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80	176, 3698	180	396, 8320	280	617, 2943	380	837, 7566	480	1, 058, 2187	580	1, 278, 6810	680	1, 499, 1432	780	1, 719, 6054	880	1, 940, 0677	980	2, 155, 5299
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4	185, 1883	4	405, 6505	4	626, 1127	4	846, 5750	4	1, 067, 0372	4	1, 287, 4994	4	1, 507, 9617	4	1, 728, 4239	4	1, 948, 8861	4	2, 163, 3484
5	187, 3929	5	407, 8551	5	628, 3174	5	848, 7796	5	1, 069, 2418	5	1, 289, 7041	5	1, 510, 1663	5	1, 730, 6285	5	1, 951, 0908	5	2, 165, 5530
6	189, 5975	6	410, 0598	6	630, 5220	6	850, 9842	6	1, 071, 4465	6	1, 291, 9087	6	1, 512, 3709	6	1, 732, 8332	6	1, 953, 2954	6	2, 167, 7576
7	191, 8021	7	412, 2644	7	632, 7266	7	853, 1888	7	1, 073, 6511	7	1, 294, 1133	7	1, 514, 5758	7	1, 734, 0378	7	1, 955, 5000	7	2, 169, 9622
8	194, 0068	8	414, 4690	8	634, 9312	8	855, 3935	8	1, 075, 8557	8	1, 296, 3179	8	1, 516, 7802	8	1, 736, 2424	8	1, 957, 7046	8	2, 171, 1669
9	196, 2011	9	416, 6736	9	637, 1359	9	857, 5981	9	1, 078, 0603	9	1, 298, 5226	9	1, 518, 9848	9	1, 738, 4470	9	1, 959, 9093	9	2, 173, 3713
90	198, 4160	190	418, 8782	290	639, 3405	390	859, 8027	490	1, 080, 2649	590	1, 300, 7272	690	1, 521, 1894	790	1, 741, 6516	890	1, 962, 1139	990	2, 175, 5761
1	200, 6206	1	421, 0829	1	641, 5451	1	862, 0073	1	1, 082, 4696	1	1, 302, 9318	1	1, 523, 3940	1	1, 743, 8563	1	1, 964, 3185	1	2, 177, 7807
2	202, 8253	2	423, 2875	2	643, 7497	2	864, 2120	2	1, 084, 6742	2	1, 305, 1364	2	1, 525, 5987	2	1, 746, 0609	2	1, 966, 5231	2	2, 179, 9854
3	205, 0299	3	425, 4921	3	645, 9543	3	866, 4166	3	1, 086, 8888	3	1, 307, 3410	3	1, 527, 8033	3	1, 748, 2655	3	1, 968, 7278	3	2, 181, 1900
4	207, 2345	4	427, 6967	4	648, 1590	4	868, 6212	4	1, 089, 0934	4	1, 309, 5457	4	1, 530, 0079	4	1, 750, 4701	4	1, 970, 9324	4	2, 183, 3946
5	209, 4391	5	429, 9014	5	650, 3636	5	870, 8258	5	1, 091, 2831	5	1, 311, 7503	5	1, 532, 2125	5	1, 752, 6748	5	1, 972, 1370	5	2, 185, 5992
6	211, 6437	6	432, 1060	6	652, 5682	6	873, 0304	6	1, 093, 4927	6	1, 313, 9549	6	1, 534, 4171	6	1, 754, 8794	6	1, 974, 3416	6	2, 187, 8039
7	213, 8484	7	434, 3106	7	654, 7728	7	875, 2351	7	1, 095, 6973	7	1, 316, 1595	7	1, 536, 6218	7	1, 757, 0840	7	1, 976, 5462	7	2, 189, 0085
8	216, 0530	8	436, 5152	8	656, 9775	8	877, 4397	8	1, 097, 9019	8	1, 318, 3642	8	1, 538, 8264	8	1, 759, 2886	8	1, 978, 7506	8	2, 191, 2131
9	218, 2576	9	438, 7198	9	659, 1821	9	879, 6443	9	1, 100, 1065	9	1, 320, 5698	9	1, 541, 0310	9	1, 761, 4933	9	1, 981, 9555	9	2, 193, 4177

POWERS.—HORSEPOWERS TO KILOWATTS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 horsepower = 0.7456694 kilowatt.

Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.
0	0.7456	100	74.56	200	149.13	300	223.69	400	298.26	500	372.82	600	447.39	700	521.95	800	596.52	900	671.08
1	0.7456	1	75.31	1	149.88	1	224.44	1	299.01	1	373.57	1	448.14	1	522.70	1	597.27	1	671.83
2	1.4913	2	76.06	2	150.62	2	225.19	2	299.75	2	374.32	2	448.89	2	523.45	2	598.01	2	672.58
3	2.2369	3	76.81	3	151.37	3	225.93	3	300.50	3	375.06	3	449.63	3	524.19	3	598.76	3	673.32
4	2.9826	4	77.55	4	152.11	4	226.68	4	301.24	4	375.81	4	450.37	4	524.94	4	599.50	4	674.07
5	3.7282	5	78.29	5	152.86	5	227.42	5	301.99	5	376.55	5	451.12	5	525.68	5	600.25	5	674.81
6	4.4739	6	79.04	6	153.60	6	228.17	6	302.73	6	377.30	6	451.86	6	526.43	6	600.99	6	675.56
7	5.2195	7	79.78	7	154.35	7	228.91	7	303.48	7	378.04	7	452.61	7	527.17	7	601.74	7	676.30
8	5.9652	8	80.53	8	155.10	8	229.66	8	304.22	8	378.79	8	453.35	8	527.92	8	602.48	8	677.05
9	6.7108	9	81.28	9	155.84	9	230.41	9	304.97	9	379.54	9	454.10	9	528.67	9	603.23	9	677.80
10	7.456	110	82.02	210	156.59	310	231.15	410	305.72	510	380.28	610	454.85	710	529.41	810	603.98	910	678.54
1	8.202	1	82.77	1	157.33	1	231.90	1	306.46	1	381.03	1	455.59	1	530.16	1	604.72	1	679.29
2	8.948	2	83.51	2	158.08	2	232.64	2	307.21	2	381.77	2	456.34	2	530.90	2	605.47	2	680.03
3	9.693	3	84.26	3	158.82	3	233.39	3	307.95	3	382.52	3	457.08	3	531.65	3	606.21	3	680.78
4	10.439	4	85.00	4	159.57	4	234.13	4	308.70	4	383.26	4	457.83	4	532.39	4	606.96	4	681.52
5	11.185	5	85.75	5	160.31	5	234.88	5	309.44	5	384.01	5	458.57	5	533.14	5	607.70	5	682.27
6	11.930	6	86.50	6	161.06	6	235.63	6	310.19	6	384.75	6	459.32	6	533.88	6	608.45	6	683.01
7	12.676	7	87.24	7	161.81	7	236.37	7	310.94	7	385.50	7	460.07	7	534.63	7	609.20	7	683.76
8	13.422	8	87.99	8	162.55	8	237.12	8	311.68	8	386.25	8	460.81	8	535.38	8	609.94	8	684.51
9	14.167	9	88.73	9	163.30	9	237.86	9	312.43	9	386.99	9	461.56	9	536.12	9	610.69	9	685.25
20	16.013	120	89.48	220	164.04	320	238.61	420	313.17	520	387.14	620	462.30	720	536.87	820	611.43	920	686.00
1	16.699	1	90.22	1	164.79	1	239.35	1	313.92	1	387.88	1	463.05	1	537.61	1	612.18	1	686.74
2	16.404	2	90.97	2	165.53	2	240.10	2	314.66	2	388.63	2	463.79	2	538.36	2	612.92	2	687.49
3	17.150	3	91.71	3	166.28	3	240.84	3	315.41	3	389.37	3	464.54	3	539.10	3	613.67	3	688.23
4	17.896	4	92.46	4	167.03	4	241.59	4	316.16	4	390.12	4	465.29	4	539.85	4	614.42	4	688.98
5	18.641	5	93.21	5	167.77	5	242.34	5	316.90	5	390.87	5	466.03	5	540.60	5	615.16	5	689.73
6	19.387	6	93.95	6	168.52	6	243.08	6	317.65	6	391.61	6	466.78	6	541.34	6	615.91	6	690.47
7	20.133	7	94.70	7	169.26	7	243.83	7	318.39	7	392.35	7	467.52	7	542.09	7	616.65	7	691.22
8	20.878	8	95.44	8	170.01	8	244.57	8	319.14	8	393.09	8	468.27	8	542.83	8	617.40	8	691.96
9	21.624	9	96.19	9	170.75	9	245.32	9	319.88	9	393.84	9	469.01	9	543.58	9	618.14	9	692.71
30	22.969	180	96.93	230	171.50	330	246.06	430	320.63	530	394.57	630	469.76	730	544.32	830	618.89	930	693.45
1	23.715	1	97.68	1	172.25	1	246.81	1	321.37	1	395.31	1	470.50	1	545.07	1	619.63	1	694.20
2	23.861	2	98.43	2	173.00	2	247.56	2	322.12	2	396.05	2	471.25	2	545.82	2	620.38	2	694.95
3	24.606	3	99.17	3	173.74	3	248.30	3	322.87	3	396.79	3	472.00	3	546.56	3	621.13	3	695.69
4	25.352	4	99.92	4	174.48	4	249.05	4	323.61	4	397.53	4	472.74	4	547.31	4	621.87	4	696.44
5	26.098	5	100.66	5	175.23	5	249.79	5	324.36	5	398.27	5	473.49	5	548.05	5	622.62	5	697.18
6	26.843	6	101.41	6	175.97	6	250.54	6	325.10	6	399.02	6	474.23	6	548.80	6	623.36	6	697.93
7	27.589	7	102.15	7	176.72	7	251.28	7	325.85	7	399.77	7	474.98	7	549.54	7	624.11	7	698.67
8	28.335	8	102.90	8	177.46	8	252.03	8	326.59	8	400.51	8	475.72	8	550.29	8	624.85	8	699.42
9	29.080	9	103.65	9	178.21	9	252.78	9	327.34	9	401.25	9	476.47	9	551.03	9	625.60	9	700.16
40	29.826	140	104.39	240	178.96	340	253.52	440	328.09	540	402.05	640	477.22	740	551.78	840	626.35	940	700.91
1	30.572	1	105.14	1	179.70	1	254.27	1	328.83	1	402.79	1	477.96	1	552.53	1	627.09	1	701.66
2	31.317	2	105.89	2	180.45	2	255.01	2	329.58	2	403.54	2	478.71	2	553.27	2	627.84	2	702.40
3	32.063	3	106.63	3	181.19	3	255.76	3	330.32	3	404.29	3	479.46	3	554.02	3	628.58	3	703.15
4	32.809	4	107.37	4	181.94	4	256.50	4	331.07	4	405.03	4	480.20	4	554.76	4	629.33	4	703.89
5	33.554	5	108.12	5	182.68	5	257.25	5	331.81	5	405.78	5	480.94	5	555.51	5	630.07	5	704.64
6	34.300	6	108.86	6	183.43	6	257.99	6	332.56	6	406.53	6	481.69	6	556.25	6	630.82	6	705.38
7	35.046	7	109.61	7	184.18	7	258.74	7	333.30	7	407.28	7	482.44	7	557.00	7	631.57	7	706.13
8	35.791	8	110.36	8	184.93	8	259.49	8	334.05	8	408.03	8	483.19	8	557.75	8	632.31	8	706.88
9	36.537	9	111.10	9	185.67	9	260.23	9	334.80	9	408.78	9	483.93	9	558.49	9	633.06	9	707.62

50	37.292	111.85	250	186.41	350	260.99	450	335.54	550	410.11	650	494.07	750	559.24	850	633.80	950	708.37
1	38.028	112.69	1	187.16	1	261.72	1	338.29	1	410.85	1	486.42	1	569.98	1	634.55	1	709.11
2	38.774	113.34	2	187.90	2	262.47	2	337.03	2	411.00	2	486.16	2	570.73	2	635.29	2	709.84
3	39.519	114.08	3	188.65	3	263.21	3	337.78	3	411.84	3	486.91	3	581.47	3	636.04	3	710.60
4	40.265	114.83	4	189.39	4	263.96	4	338.52	4	413.09	4	487.65	4	582.22	4	636.78	4	711.35
5	41.011	115.58	5	190.14	5	264.71	5	339.27	5	413.84	5	488.40	5	582.97	5	637.53	5	712.10
6	41.756	116.32	6	190.89	6	265.45	6	340.02	6	414.58	6	489.15	6	583.71	6	638.28	6	712.84
7	42.502	117.07	7	191.63	7	266.20	7	340.76	7	415.33	7	489.89	7	584.46	7	639.02	7	713.58
8	43.248	117.81	8	192.38	8	266.94	8	341.51	8	416.07	8	490.64	8	585.20	8	639.77	8	714.33
9	43.993	118.56	9	193.12	9	267.69	9	342.25	9	416.82	9	491.38	9	585.95	9	640.51	9	715.08
60	44.739	119.30	260	193.87	360	268.43	460	343.00	560	417.56	660	492.13	760	586.69	860	641.26	960	715.82
1	45.485	120.05	1	194.61	1	269.18	1	343.74	1	418.31	1	492.87	1	587.44	1	642.00	1	716.57
2	46.230	120.80	2	195.36	2	269.93	2	344.49	2	419.06	2	493.62	2	588.18	2	642.75	2	717.31
3	46.976	121.54	3	196.11	3	270.67	3	345.24	3	419.80	3	494.37	3	588.93	3	643.50	3	718.06
4	47.722	122.29	4	196.85	4	271.42	4	345.98	4	420.55	4	495.11	4	589.68	4	644.24	4	718.81
5	48.467	123.03	5	197.60	5	272.16	5	346.73	5	421.29	5	495.86	5	590.42	5	644.99	5	719.56
6	49.213	123.78	6	198.34	6	272.91	6	347.47	6	422.04	6	496.60	6	591.17	6	645.73	6	720.30
7	49.959	124.52	7	199.09	7	273.65	7	348.22	7	422.78	7	497.35	7	591.91	7	646.48	7	721.04
8	50.704	125.27	8	199.83	8	274.40	8	348.96	8	423.53	8	498.09	8	592.66	8	647.22	8	721.78
9	51.450	126.01	9	200.58	9	275.14	9	349.71	9	424.27	9	498.84	9	593.40	9	647.97	9	722.53
70	52.195	126.76	270	201.33	370	275.89	470	350.46	570	425.02	670	499.59	770	574.15	870	648.71	970	723.28
1	52.941	127.51	1	202.07	1	276.64	1	351.20	1	425.77	1	500.33	1	574.90	1	649.46	1	724.03
2	53.687	128.25	2	202.82	2	277.38	2	351.95	2	426.51	2	501.08	2	575.64	2	650.21	2	724.77
3	54.432	129.00	3	203.56	3	278.13	3	352.69	3	427.26	3	501.82	3	576.39	3	650.95	3	725.52
4	55.178	129.74	4	204.31	4	278.87	4	353.44	4	428.00	4	502.57	4	577.13	4	651.70	4	726.26
5	55.924	130.49	5	205.05	5	279.62	5	354.18	5	428.75	5	503.31	5	577.88	5	652.44	5	727.01
6	56.669	131.23	6	205.80	6	280.36	6	354.93	6	429.49	6	504.06	6	578.62	6	653.19	6	727.75
7	57.415	131.98	7	206.54	7	281.11	7	355.67	7	430.24	7	504.80	7	579.37	7	653.93	7	728.50
8	58.161	132.73	8	207.29	8	281.86	8	356.42	8	430.99	8	505.55	8	580.12	8	654.68	8	729.25
9	58.906	133.47	9	208.04	9	282.60	9	357.17	9	431.73	9	506.30	9	580.86	9	655.43	9	729.99
80	59.652	134.22	280	208.78	380	283.35	480	357.91	580	432.48	680	507.04	780	581.61	880	656.17	980	730.74
1	60.398	134.96	1	209.53	1	284.09	1	358.66	1	433.22	1	507.79	1	582.35	1	656.92	1	731.48
2	61.143	135.71	2	210.27	2	284.84	2	359.40	2	433.97	2	508.53	2	583.10	2	657.66	2	732.23
3	61.889	136.45	3	211.02	3	285.58	3	360.15	3	434.71	3	509.28	3	583.84	3	658.41	3	732.97
4	62.635	137.20	4	211.76	4	286.33	4	360.89	4	435.45	4	510.02	4	584.59	4	659.15	4	733.72
5	63.380	137.95	5	212.51	5	287.08	5	361.64	5	436.20	5	510.77	5	585.33	5	659.90	5	734.46
6	64.126	138.69	6	213.26	6	287.82	6	362.39	6	436.95	6	511.52	6	586.08	6	660.65	6	735.21
7	64.871	139.44	7	214.00	7	288.57	7	363.13	7	437.70	7	512.26	7	586.83	7	661.39	7	735.96
8	65.617	140.18	8	214.75	8	289.31	8	363.88	8	438.44	8	513.01	8	587.57	8	662.14	8	736.70
9	66.363	140.93	9	215.49	9	290.05	9	364.62	9	439.19	9	513.76	9	588.32	9	662.88	9	737.45
90	67.108	141.67	290	216.24	390	290.80	490	365.37	590	439.93	690	514.50	790	589.06	890	663.63	990	738.19
1	67.854	142.42	1	216.98	1	291.55	1	366.11	1	440.68	1	515.24	1	589.81	1	664.37	1	738.94
2	68.600	143.16	2	217.73	2	292.29	2	366.86	2	441.42	2	515.99	2	590.55	2	665.12	2	739.68
3	69.345	143.91	3	218.48	3	293.04	3	367.61	3	442.17	3	516.74	3	591.30	3	665.86	3	740.43
4	70.091	144.66	4	219.22	4	293.79	4	368.35	4	442.92	4	517.48	4	592.05	4	666.61	4	741.18
5	70.837	145.40	5	219.97	5	294.53	5	369.10	5	443.66	5	518.23	5	592.79	5	667.36	5	741.92
6	71.582	146.15	6	220.71	6	295.28	6	369.84	6	444.41	6	518.97	6	593.54	6	668.10	6	742.67
7	72.328	146.90	7	221.46	7	296.02	7	370.59	7	445.15	7	519.72	7	594.28	7	668.85	7	743.41
8	73.074	147.64	8	222.20	8	296.77	8	371.33	8	445.90	8	520.46	8	595.03	8	669.59	8	744.16
9	73.819	148.38	9	222.95	9	297.51	9	372.08	9	446.64	9	521.21	9	595.77	9	670.34	9	744.90

POWERS.—KILOWATTS TO HORSEPOWERS.

FROM 1 TO 1,000 UNITS.

Reduction factor: 1 kilowatt = 1.341128 horsepower.

Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.	Kilo-watts.	Horse-powers.
0	1.3411	100	134.11	200	268.22	300	402.33	400	536.45	500	670.56	600	804.67	700	938.78	800	1,072.89	900	1,207.00
1	1.3545	1	135.45	1	269.56	1	403.67	1	537.79	1	671.90	1	806.01	1	940.12	1	1,074.23	1	1,208.34
2	2.6822	2	136.79	2	270.90	2	405.02	2	539.13	2	673.24	2	807.35	2	941.46	2	1,075.57	2	1,209.68
3	4.0233	3	138.13	3	272.25	3	406.36	3	540.47	3	674.58	3	808.69	3	942.80	3	1,076.91	3	1,211.02
4	5.3645	4	139.48	4	273.59	4	407.70	4	541.81	4	675.92	4	810.03	4	944.14	4	1,078.25	4	1,212.37
5	6.7056	5	140.82	5	274.93	5	409.04	5	543.15	5	677.26	5	811.37	5	945.48	5	1,079.60	5	1,213.71
6	8.0467	6	142.16	6	276.27	6	410.38	6	544.49	6	678.59	6	812.71	6	946.83	6	1,080.94	6	1,215.05
7	9.3878	7	143.50	7	277.61	7	411.72	7	545.83	7	679.94	7	814.06	7	948.17	7	1,082.28	7	1,216.39
8	10.7289	8	144.84	8	278.95	8	413.06	8	547.17	8	681.29	8	815.40	8	949.51	8	1,083.62	8	1,217.73
9	12.0700	9	146.18	9	280.29	9	414.40	9	548.52	9	682.63	9	816.74	9	950.85	9	1,084.96	9	1,219.07
10	13.411	110	147.52	210	281.63	310	415.74	410	549.86	510	683.97	610	818.08	710	952.19	810	1,086.30	910	1,220.41
1	14.752	1	148.86	1	282.97	1	417.09	1	551.20	1	685.31	1	819.42	1	953.53	1	1,087.64	1	1,221.75
2	16.093	2	150.20	2	284.32	2	418.43	2	552.54	2	686.65	2	820.76	2	954.87	2	1,088.98	2	1,223.09
3	17.434	3	151.55	3	285.66	3	419.77	3	553.88	3	687.99	3	822.10	3	956.21	3	1,090.32	3	1,224.44
4	18.776	4	152.89	4	287.00	4	421.11	4	555.22	4	689.33	4	823.44	4	957.55	4	1,091.67	4	1,225.78
5	20.117	5	154.23	5	288.34	5	422.45	5	556.56	5	690.67	5	824.78	5	958.90	5	1,093.01	5	1,227.12
6	21.458	6	155.57	6	289.68	6	423.79	6	557.90	6	692.01	6	826.13	6	960.24	6	1,094.35	6	1,228.46
7	22.799	7	156.91	7	291.02	7	425.13	7	559.24	7	693.36	7	827.47	7	961.58	7	1,095.69	7	1,229.80
8	24.140	8	158.25	8	292.36	8	426.47	8	560.59	8	694.70	8	828.81	8	962.92	8	1,097.03	8	1,231.14
9	25.481	9	159.59	9	293.70	9	427.81	9	561.93	9	696.04	9	830.15	9	964.26	9	1,098.37	9	1,232.48
20	26.822	120	160.93	220	295.01	320	429.16	420	563.27	520	697.38	620	831.49	720	965.60	820	1,099.71	920	1,233.82
1	28.163	1	162.27	1	296.39	1	430.50	1	564.61	1	698.72	1	832.83	1	966.94	1	1,101.05	1	1,235.16
2	29.504	2	163.62	2	297.73	2	431.84	2	565.95	2	700.06	2	834.17	2	968.28	2	1,102.39	2	1,236.51
3	30.846	3	164.96	3	299.07	3	433.18	3	567.29	3	701.40	3	835.51	3	969.62	3	1,103.74	3	1,237.86
4	32.187	4	166.30	4	300.41	4	434.52	4	568.63	4	702.74	4	836.85	4	970.97	4	1,105.08	4	1,239.19
5	33.528	5	167.64	5	301.75	5	435.86	5	569.97	5	704.08	5	838.20	5	972.31	5	1,106.42	5	1,240.53
6	34.869	6	168.98	6	303.09	6	437.20	6	571.31	6	705.43	6	839.54	6	973.65	6	1,107.76	6	1,241.87
7	36.210	7	170.32	7	304.43	7	438.54	7	572.66	7	706.77	7	840.88	7	974.99	7	1,109.10	7	1,243.21
8	37.551	8	171.66	8	305.77	8	439.88	8	574.00	8	708.11	8	842.22	8	976.33	8	1,110.44	8	1,244.55
9	38.892	9	173.00	9	307.11	9	441.23	9	575.34	9	709.45	9	843.56	9	977.67	9	1,111.78	9	1,245.89
30	40.233	130	174.34	230	308.46	330	442.57	430	576.68	530	710.79	630	844.90	730	979.01	830	1,113.12	930	1,247.23
1	41.574	1	175.69	1	309.80	1	443.91	1	578.02	1	712.13	1	846.24	1	980.35	1	1,114.46	1	1,248.58
2	42.916	2	177.03	2	311.14	2	445.25	2	579.36	2	713.47	2	847.58	2	981.69	2	1,115.81	2	1,249.92
3	44.257	3	178.37	3	312.48	3	446.60	3	580.70	3	714.81	3	848.92	3	983.04	3	1,117.15	3	1,251.26
4	45.598	4	179.71	4	313.82	4	447.93	4	582.04	4	716.15	4	850.27	4	984.38	4	1,118.49	4	1,252.60
5	46.939	5	181.05	5	315.16	5	449.27	5	583.38	5	717.50	5	851.61	5	985.72	5	1,119.83	5	1,253.94
6	48.280	6	182.39	6	316.50	6	450.61	6	584.73	6	718.84	6	852.95	6	987.06	6	1,121.17	6	1,255.28
7	49.621	7	183.73	7	317.84	7	451.96	7	586.07	7	720.18	7	854.29	7	988.40	7	1,122.51	7	1,256.62
8	50.962	8	185.07	8	319.18	8	453.30	8	587.41	8	721.52	8	855.63	8	989.74	8	1,123.85	8	1,257.96
9	52.303	9	186.41	9	320.53	9	454.64	9	588.75	9	722.86	9	856.97	9	991.08	9	1,125.19	9	1,259.30
40	53.645	140	187.76	240	321.87	340	455.98	440	590.00	540	724.20	640	858.31	740	992.42	840	1,126.53	940	1,260.65
1	54.986	1	189.10	1	323.21	1	457.32	1	591.43	1	725.54	1	859.65	1	993.76	1	1,127.88	1	1,261.99
2	56.327	2	190.44	2	324.55	2	458.66	2	592.77	2	726.88	2	860.99	2	995.11	2	1,129.22	2	1,263.33
3	57.668	3	191.78	3	325.89	3	460.00	3	594.11	3	728.22	3	862.34	3	996.45	3	1,130.56	3	1,264.67
4	59.000	4	193.12	4	327.23	4	461.34	4	595.45	4	729.57	4	863.68	4	997.79	4	1,131.90	4	1,266.01
5	60.350	5	194.46	5	328.57	5	462.68	5	596.80	5	730.91	5	865.02	5	999.13	5	1,133.24	5	1,267.35
6	61.691	6	195.80	6	329.91	6	464.03	6	598.14	6	732.25	6	866.36	6	1,000.47	6	1,134.58	6	1,268.69
7	63.032	7	197.14	7	331.25	7	465.37	7	599.48	7	733.60	7	867.70	7	1,001.81	7	1,135.92	7	1,270.03
8	64.373	8	198.48	8	332.60	8	466.71	8	600.82	8	734.93	8	869.04	8	1,003.15	8	1,137.26	8	1,271.37
9	65.715	9	199.83	9	333.94	9	468.05	9	602.16	9	736.27	9	870.38	9	1,004.49	9	1,138.60	9	1,272.72

50	67,056 68,897 69,738 71,019 72,420 73,761 76,102 77,443 78,785 79,126	150	201.17 202.61 203.85 205.19 206.63 207.87 209.21 210.55 211.90 213.24	350	335.28 336.62 337.96 339.30 340.64 341.98 343.32 344.67 346.01 347.35	450	489.89 490.73 491.57 492.41 493.25 494.09 494.93 495.77 496.61 497.45	550	583.50 584.84 586.18 587.52 588.86 590.20 591.54 592.88 594.22 595.56	650	677.01 678.35 679.69 681.03 682.37 683.71 685.05 686.39 687.73 689.07	750	871.72 873.06 874.40 875.74 877.08 878.42 879.76 881.10 882.44 883.78	850	1,005.83 1,007.17 1,008.51 1,009.85 1,011.19 1,012.53 1,013.87 1,015.21 1,016.55 1,017.89	950	1,139.95 1,141.29 1,142.63 1,143.97 1,145.31 1,146.65 1,147.99 1,149.33 1,150.67 1,152.01	1,274.06 1,276.40 1,278.74 1,280.08 1,279.42 1,280.76 1,282.10 1,283.44 1,284.78 1,286.13
60	80,467 81,808 83,149 84,490 85,831 87,172 88,513 89,854 91,195 92,537	160	214.58 215.92 217.26 218.60 219.94 221.28 222.62 223.97 225.31 226.65	360	348.69 350.03 351.37 352.71 354.05 355.39 356.73 358.08 359.42 360.76	460	492.80 493.24 493.68 494.12 494.56 495.00 495.44 495.88 496.32 496.76	560	618.91 619.25 619.59 620.03 620.47 620.91 621.35 621.79 622.23 622.67	660	761.02 762.36 763.70 765.04 766.38 767.72 769.06 770.40 771.74 773.08	760	866.13 867.47 868.81 870.15 871.49 872.83 874.17 875.51 876.85 878.19	860	1,010.25 1,011.59 1,012.93 1,014.27 1,015.61 1,016.95 1,018.29 1,019.63 1,020.97 1,022.31	960	1,153.38 1,154.72 1,156.06 1,157.40 1,158.74 1,160.08 1,161.42 1,162.76 1,164.10 1,165.44	1,287.47 1,288.81 1,290.15 1,291.49 1,292.83 1,294.17 1,295.51 1,296.85 1,298.19 1,299.54
70	93,878 95,219 96,560 97,901 99,242 100,583 101,925 103,266 104,607 105,948	170	227.99 229.33 230.67 232.01 233.35 234.69 236.04 237.38 238.72 240.06	370	362.10 363.44 364.78 366.12 367.46 368.80 370.14 371.48 372.82 374.17	470	496.21 497.55 498.89 500.23 501.57 502.91 504.25 505.59 506.93 508.27	570	630.32 631.66 633.00 634.34 635.68 637.02 638.36 639.70 641.04 642.38	670	764.43 765.77 767.11 768.45 769.79 771.13 772.47 773.81 775.15 776.49	770	868.55 869.89 871.23 872.57 873.91 875.25 876.59 877.93 879.27 880.61	870	1,032.66 1,034.00 1,035.34 1,036.68 1,038.02 1,039.36 1,040.70 1,042.04 1,043.38 1,044.72	970	1,186.77 1,188.11 1,189.45 1,190.79 1,192.13 1,193.47 1,194.81 1,196.15 1,197.49 1,198.83	1,300.88 1,302.22 1,303.56 1,304.90 1,306.24 1,307.58 1,308.92 1,310.26 1,311.60 1,312.94
80	107,289 108,630 109,971 111,312 112,653 113,995 115,336 116,677 118,018 119,359	180	241.40 242.74 244.08 245.42 246.76 248.10 249.44 250.78 252.12 253.47	380	375.51 376.85 378.19 379.53 380.87 382.21 383.55 384.89 386.23 387.57	480	509.62 510.96 512.30 513.64 514.98 516.32 517.66 519.00 520.34 521.68	580	643.73 645.07 646.41 647.75 649.09 650.43 651.77 653.11 654.45 655.79	680	777.85 779.19 780.53 781.87 783.21 784.55 785.89 787.23 788.57 789.91	780	911.96 913.30 914.64 915.98 917.32 918.66 920.00 921.34 922.68 924.02	880	1,046.07 1,047.41 1,048.75 1,050.09 1,051.43 1,052.77 1,054.11 1,055.45 1,056.79 1,058.13	980	1,180.18 1,181.52 1,182.86 1,184.20 1,185.54 1,186.88 1,188.22 1,189.56 1,190.90 1,192.24	1,314.29 1,315.63 1,316.97 1,318.31 1,319.65 1,321.00 1,322.34 1,323.68 1,325.02 1,326.36
90	120,700 122,041 123,382 124,723 126,065 127,406 128,747 130,088 131,429 132,770	190	254.81 256.15 257.49 258.83 260.18 261.52 262.86 264.20 265.54 266.88	390	388.92 390.26 391.60 392.94 394.28 395.62 396.96 398.30 399.64 400.98	490	523.03 524.37 525.71 527.05 528.39 529.73 531.07 532.41 533.75 535.09	590	657.15 658.49 659.83 661.17 662.51 663.85 665.19 666.53 667.87 669.21	690	791.26 792.60 793.94 795.28 796.62 797.96 799.30 800.64 801.98 803.32	790	925.37 926.71 928.05 929.39 930.73 932.07 933.41 934.75 936.09 937.43	890	1,059.48 1,060.82 1,062.16 1,063.50 1,064.84 1,066.18 1,067.52 1,068.86 1,070.20 1,071.54	990	1,193.59 1,194.93 1,196.27 1,197.61 1,198.95 1,200.29 1,201.63 1,202.97 1,204.31 1,205.65	1,327.70 1,329.04 1,330.38 1,331.73 1,333.07 1,334.41 1,335.75 1,337.09 1,338.43 1,339.77

COMPARISON OF THE VARIOUS TONS AND POUNDS IN USE IN THE UNITED STATES.

FROM 1 TO 10 UNITS.

LONG TONS.	SHORT TONS.	METRIC TONS.	KILOGRAMS.	AVOIRDUPOIS POUNDS.	TROY POUNDS.
.00036735	.00041143	.00037324	.37324	.822857	1
.00044643	.00050000	.00046359	.46359	1	1.21628
.00073469	.00082288	.00074648	.74648	1.64571	2
.00089286	.00100000	.00090718	.90718	2	2.43066
.00098421	.00110231	.00100000	1	2.20462	2.87923
.00110204	.00123429	.00111973	1.11973	2.46857	3
.00133929	.00150000	.00136078	1.36078	3	3.64583
.00146939	.00164571	.00149297	1.49297	3.29143	4
.00178571	.00200000	.00181437	1.81437	4	4.86111
.00183673	.00205714	.00186621	1.86621	4.11429	5
.00196841	.00220462	.00200000	2	4.40924	5.35846
.00220408	.00246857	.00223945	2.23945	4.93714	6
.00223214	.00260000	.00226796	2.26796	5	6.07639
.00257143	.00288000	.00261269	2.61269	5.76000	7
.00267857	.00300000	.00272165	2.72165	6	7.29167
.00293378	.00329143	.00298593	2.98593	6.58286	8
.00295262	.00330693	.00300000	3	6.61387	8.03769
.00312500	.00350000	.00317515	3.17515	7	8.60694
.00330612	.00370286	.00335918	3.35918	7.40571	9
.00357143	.00400000	.00362874	3.62874	8	9.72222
.00393683	.00440924	.00400000	4	8.81849	10.71691
.00401786	.00450000	.00408233	4.08233	9	10.93750
.00492103	.00551156	.00500000	5	11.0231	13.39614
.00590524	.00661387	.00600000	6	13.2277	16.07637
.00688944	.00771618	.00780000	7	15.4324	18.75460
.00787365	.00881849	.00800000	8	17.6370	21.43383
.00885786	.00992080	.00900000	9	19.8416	24.11306
.89287	1	.90718	907.18	2,000.00	2,430.56
.98421	1.10231	1	1,000.00	2,204.82	2,679.23
1	1.12000	1.01605	1,016.05	2,240.00	2,722.22
1.78571	2	1.81437	1,814.37	4,000.00	4,861.11
1.95841	2.20462	2	2,000.00	4,409.24	5,358.46
2	2.24000	2.03209	2,032.09	4,480.00	5,444.44
2.67857	3	2.72155	2,721.55	6,000.00	7,291.67
2.95262	3.30693	3	3,000.00	6,613.87	8,037.69
3	3.36000	3.04814	3,048.14	6,720.00	8,166.67
3.57143	4	3.62874	3,628.74	8,000.00	9,722.22
3.93683	4.40924	4	4,000.00	8,818.49	10,716.91
4	4.48000	4.06419	4,064.19	8,960.00	10,888.89
4.46429	5	4.53592	4,535.92	10,000.00	12,162.78
4.92103	5.61166	5	5,000.00	11,023.11	13,396.14
5	5.60000	5.08024	5,080.24	11,200.00	13,611.11
5.35714	6	5.44311	5,443.11	12,000.00	14,583.33
5.90524	6.61387	6	6,000.00	13,227.73	16,075.37
6	6.72000	6.09628	6,096.28	13,440.00	16,333.33
6.25000	7	6.35029	6,350.29	14,000.00	17,013.89
6.58944	7.71618	7	7,000.00	15,432.35	18,764.60
7	7.84000	7.11232	7,112.32	15,680.00	19,055.59
7.14286	8	7.25748	7,257.48	16,000.00	19,444.44
7.87365	8.81849	8	8,000.00	17,636.98	21,433.83
8	8.96000	8.12838	8,128.38	17,920.00	21,777.78
8.03571	9	8.16466	8,164.66	18,000.00	21,875.00
8.85788	9.92080	9	9,000.00	19,841.60	24,113.06
9	10.08000	9.14442	9,144.42	20,160.00	24,500.00

STATUS OF THE INTERNATIONAL METRIC SYSTEM IN THE UNITED STATES.

“The Congress shall have power to * * * fix the standard of weights and measures.” (Constitution of the United States.)

THE METRIC SYSTEM LEGALIZED.

“It shall be lawful throughout the United States of America to employ the weights and measures of the metric system.” (Revised Statutes of the United States, sec. 3569, 1866.)

THE METRIC STANDARDS ADOPTED AS FUNDAMENTAL.

“The office of weights and measures * * * will in the future regard the international prototype meter and kilogram as fundamental standards, in accordance with the act of July 28, 1866.” (Order approved by the Secretary of the Treasury, April 5, 1893.)

FOREIGN POSTAL RATES BASED ON METRIC WEIGHTS.

“The Postmaster-General shall furnish to the post-offices exchanging mails with foreign countries, and to such other offices as he may deem expedient, postal balances denominated in grams of the metric system, fifteen grams of which shall be the equivalent for postal purposes, of one-half ounce avoirdupois, and so on in progression.” (Revised Statutes of the United States, sec. 3880.)

METRIC WEIGHTS USED IN THE COINAGE.

“The weight of the half-dollar shall be twelve grams and one-half of a gram; the quarter-dollar and the dime shall be, respectively, one-half and one-fifth of the weight of said half-dollar.” (Revised Statutes of the United States, sec. 3513.)

CONGRESS PROVIDES METRIC STANDARDS FOR THE STATES OF THE UNION.

“Be it resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Treasury be, and he is hereby, authorized and directed to furnish to each State, to be delivered to the governor thereof, one set of the standard weights and measures of the metric system for the use of the States, respectively.” (Joint resolution of Congress approved July 27, 1866.)

UNITED STATES JOINS IN ESTABLISHING INTERNATIONAL BUREAU.

“The high contracting parties engage to establish and maintain, at their common expense, a scientific and permanent international bureau^a of weights and measures, the location of which shall be at Paris.” (Extract from convention of 1875, signed for the United States by the United States ambassador to France.)

CONGRESS ADOPTS THE METRIC UNITS FOR ELECTRICAL MEASURES.

It was enacted by the Senate and House of Representatives that the international electrical units based on the metric system “shall be the legal units of electrical measure in the United States.” (Revised Statutes of the United States, Supplement, vol. 2, chap. 131, 1894.)

^a This bureau has the custody of the international standards of the metric system, to which all metric prototypes of the world are referred for verification. It was established and is maintained jointly by all the principal governments of the world.

METRIC SYSTEM REQUIRED IN THE MEDICAL WORK OF THE NAVY DEPARTMENT.

“The metric system of weights and measures shall hereafter be employed in the Medical Department of the Navy.” (Order approved by the Secretary of the Navy, April 15, 1878.)

METRIC SYSTEM REQUIRED IN MEDICAL WORK OF WAR DEPARTMENT.

“All requisitions, invoices, receipts and returns, pertaining to medical supplies will be in accordance with the metric system of weights and measures. After the 30th day of June, 1894, the use of this system in writing official prescriptions is desired; on and after the 1st day of January, 1895, such use is hereby ordered.” (Order approved by Secretary of War April 13, 1894.)

METRIC SYSTEM MADE OBLIGATORY IN PORTO RICO.

“1. The use of the metrical system of weights and measures and its nomenclature are obligatory.

“2. Its use is enforced in all transactions, sales, contracts. * * *

“3. Wholesale and retail mercantile establishments shall sell their goods to the public conformably to the metric system.” (Proclamation of military governor, March 18, 1899, Department of Porto Rico.)

METRIC SYSTEM MADE THE LEGAL SYSTEM IN THE PHILIPPINE ISLANDS.

“The metrical system of weights and measures as authorized by sections 3569 and 3570 of the Revised Statutes of the United States and at present in use in the Philippine Islands shall be continued.” (Act No. 230, September 17, 1901, sec. 9, Philippine Tariff.)

METRIC SYSTEM REQUIRED IN UNITED STATES PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

“Officers shall, for all official, medical, and pharmacal purposes, make use of the metric system of weights and measures. In expressing quantities by weight the terms of ‘gram’ and ‘centigram,’ and in expressing quantity by measure the term ‘cubic-centimeter,’ only shall be employed.” (Regulation promulgated by the President November 21, 1902.)

INDEX

	Page.
Acres to hectares	18, 19
Apothecaries' scruples and milliliters (cc.)	7
Apothecaries' drams and milliliters (cc.)	7
AREAS	6
Avoirdupois pounds to kilograms	38, 39
Avoirdupois ounces and grams	7
British gallon and United States liquid gallon (price comparison)	8
British bushel and United States bushel (price comparison)	8
Bushels and hectoliters	34, 35
Bushels and hectoliters (price comparison)	8
Bushels per acre and hectoliters per hectar	7
CAPACITIES	7
Comparison of prices	8
Comparison of tons and pounds used in United States	46
Contents, table of	3
Cubic feet and cubic centimeters	6
Cubic inches and cubic centimeters	6
Cubic inches and cubic millimeters	6
Cubic meters and cubic feet	6
Cubic meters and cubic yards	6, 24, 25
Cubic millimeters and cubic inches	6
Cubic yards and cubic meters	22, 23
Decimal and common fractions of inch and millimeters	9
Dollars and francs (price comparison)	8
Dollars and marks (price comparison)	8
Drams, apothecaries', and millimeters (cc.)	7
Dry quarts and liters	7
Equivalents, fundamental	5
Feet to meters	10, 11
Fractions of an inch and millimeters	9
Francs and dollars (price comparison)	8
Fundamental equivalents used in tables	5
Gallons to liters	30, 31
Gallons and liters (price comparison)	8
Grains and grams	7
Grains and avoirdupois ounces	7
Grains and troy ounces	7
Grams and avoirdupois ounces	7
Grams and grains	7
Grams and troy ounces	7
Hectares to acres	20, 21
Hectoliters and bushels	36, 37
Hectoliters and bushels (price comparison)	8
Hectoliters per hectar and bushels per acre	7
Horsepowers to kilowatts	42, 43
Hundredths of inch and millimeters	9
Inch, binary fractions of, and millimeters	9
Inch, hundredths of, and millimeters	9
Inches and centimeters	6
Inches and millimeters	6
Inches and meters, footnote	11
Kilograms to avoirdupois pounds	40, 41
Kilograms to avoirdupois pounds (price comparison)	8
Kilograms to troy pounds	7
Kilograms to various tons and pounds used in United States	46
Kilometers to miles	16, 17
Kilowatts to horsepowers	44, 45

	Page.
Legal status of metric system in United States	47, 48
LENGTHS	6
Liquid gallons to liters	30, 31
Liquid quarts to liters	6, 26, 27
Liters and dry quarts	7
Liters to liquid gallons	32, 33
Liters to liquid gallons (price comparison)	8
Liters to liquid quarts	28, 29
Liters and pecks	
Marks and dollars (price comparison)	8
MASSES	7
Meters to feet	10, 11
Meters and yards	6
Meters, cubic, to cubic yards	24, 25
Meters and yards (price comparison)	8
Metric system, statement of	5
Metric system, legal status of, in United States	47
Metric ton and other tons and pounds used in United States	46
Miles to kilometers	14, 15
Milliliters and apothecaries' drams	7
Milliliters and apothecaries' scruples	7
Milliliters and liquid ounces	7
Millimeters and binary fractions of an inch	9
Millimeters and hundredths of an inch	9
Millimeters and inches	6
Ounces (avoirdupois) and grams	7
Ounces (liquid) and milliliters (cc.)	7
Ounces (troy) and grams	7
Pecks and dekaliters	7
Pecks and liters	7
Pounds and tons, comparison of	46
Pounds and kilograms (price comparison)	8
Pounds (avoirdupois) and kilograms	38, 39
Pounds (troy) and kilograms	7
PRICES, comparison of	8
Quarts (liquid) to liters, <i>see also</i> Liquid quart and dry quart	6, 26, 27
Reduction factors, <i>see also</i> separate 1-1000 tables	5
Scruples and milliliters (cc.)	7
Shillings and dollars (price comparison)	8
Short ton and other tons and pounds, comparison of	46
Square centimeters and square inches	6
Square feet and square meters	6
Square inches and square centimeters	6
Square inches and square millimeters	6
Square meters and square feet	6
Square meters and square yards	6
Square miles and square kilometers	6
Square millimeters and square inches	6
Table of contents	3
Ton, long, short, and metric, comparison of	46
Troy ounces and grams	7
Troy pounds and kilograms	7
Units, table of metric	5
VOLUMES, <i>see also</i> "Capacities"	7
Yards and meters	6
Yards and meters (price comparison)	8
Yards, cubic, to cubic meters	22, 23

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